Index of Papers Published in 1975 Journals

Author Index

A

AAGAARD, P. M. *et al.*: *Specifications for Oceanographic/Meteorological Studies for Offshore Operations*, **259**, I-523; *JPT* (Apr. 1975) 523

ABRAMS, A.: *The Influence of Fluid Viscosity, Interfacial Tension, and Flow Velocity on Residual Oil Saturation Left by Waterflood, SPEJ* (Oct. 1975) 437

ABRAMS, A. *et al.*: *An Oil-Coating Process to Stabilize Clays in Fresh Waterflooding Operations, JPT* (Sept. 1975) 1053; discussion, 1058

AGUILERA, R.: *Graphical Solution of Imbibition Equations Used To Predict Oil Recovery by Water Influx in Naturally Fractured Reservoirs, JPT* (Dec. 1975) 1526

AL-SAIF, A. S. *et al.*: *Analysis of Pulsed-Neutron Decay-Time Logs in Acidized Carbonate Formations, SPEJ* (Dec. 1975) 453

ANDERSON, R. A. *et al.*: *Estimation of Formation Strength From the Mechanical-Properties Log, JPT* (Mar. 1975) 283

ARGABRIGHT, P. A. *et al.*: *A New Chemical Approach to Permeability Reduction, JPT* (May 1975) 592

ARNOLD, P. *et al.*: *Soil Movements and Forces Developed by Wave-Induced Slides in the Mississippi Delta, JPT* (Apr. 1975) 500

ASHFORD, F. E. and PIERCE, P. E.: *Determining Multiphase Pressure Drops and Flow Capacities in Down-Hole Safety Valves, JPT* (Sept. 1975) 1145

AULT, J. W. *et al.*: *A New Model of the Physical and Chemical Changes in Sandstone During Acidizing, SPEJ* (Oct. 1975) 361

Reservoir Properties Affecting Matrix Acid Stimulation of Sandstones, **259**, I-633; *JPT* (May 1975) 633

AZIZ, K. *et al.*: *Critical Evaluation of Holdup Prediction Methods for Gas-Liquid Flow in Horizontal Pipes*, **259**, I-1017; *JPT* (Aug. 1975) 1017

B

BAKER, B. A. *et al.*: *Surface-Area Measurement of Geologic Materials, SPEJ* (Apr. 1975) 111

BANTHIA, B. S.: Discussion on *Estimation of Formation Strength From the Mechanical-Properties Log, JPT* (May 1975) 595

BARKMAN, J. H. *et al.*: *An Oil-Coating Process To Stabilize Clays in Fresh Waterflooding Operations, JPT* (Sept. 1975) 1053; discussion, 1058

BEA, R. G.: *Gulf of Mexico Hurricane Wave Heights*, **259**, I-1160; *JPT* (Sept. 1975) 1160

BEA, R. G. *et al.*: *Soil Movements and Forces Developed by Wave-Induced Slides in the Mississippi Delta, JPT* (Apr. 1975) 500

BEGGS, H. B. and ROBINSON, J. B.: *Estimating the Viscosity of Crude Oil Systems, JPT* (Sept. 1975) 1140

BELL, W. T. *et al.*: *Advancements in Uncased-Hole, Wireline Formation-Tester Techniques, JPT* (Nov. 1975) 1331

BENNETT, E. N. and FORGERSON, C. D.: *Predicting Reserves and Forecasting Flow Rates of Relatively Tight Gas Wells Using Limited Performance Data, JPT* (May 1975) 585

BENNETT, R. B. *et al.*: *The Effect of Temperature and Pressure on the Viscosity of Oil-Base Muds, JPT* (July 1975) 884

BERNARD, G. G.: *Effect of Clays, Limestone, and Gypsum on Soluble Oil Flooding, JPT* (Feb. 1975) 179

BERNARD, H. A. *et al.*: *Soil Movements and Forces Developed by Wave-Induced Slides in the Mississippi Delta, JPT* (Apr. 1975) 500

BERRY, D. W. and KYTE, J. R.: *New Pseudo Functions To Control Numerical Dispersion, SPEJ* (Aug. 1975) 269

BERTNESS, T. A. and SNAVELY, E. S., Jr.: *Removal of Sulfur Dioxide Emissions by Scrubbing With Oilfield-Produced Water, JPT* (Feb. 1975) 227

BILLINGSLEY, R. H. and BLEVINS, T. R.: *The Ten-Pattern Steamflood, Kern River Field, California*, **259**, I-1505; *JPT* (Dec. 1975) 1505

BLAND, R. G. *et al.*: *The Effect of Temperature and Pressure on the Viscosity of Oil-Base Muds, JPT* (July 1975) 885

BLEVINS, T. R. and BILLINGSLEY, R. H.: *The Ten-Pattern Steamflood, Kern River Field, California*, **259**, I-1505; *JPT* (Dec. 1975) 1505

BOORMAN, B. *et al.*: *Insulated Hot Oil-Producing Wells in Permafrost*, **259**, I-357; *JPT* (Mar. 1975) 357

BOUCK, L. S. *et al.*: *Performance of a Miscible Flood in the Bear Lake Cardium Unit, Pembina Field, Alberta, Canada, JPT* (June 1975) 672

BOURGOYNE, A. T., Jr., *et al.*: *Factors Affecting Bubble-Rise Velocity of Gas Kicks, JPT* (May 1975) 571

BOWER, A. B., Jr., *et al.*: *Manufactured Diamond Cutters Used in Drilling Bits, JPT* (May 1975) 543

BRADLEY, B. W. and GATZKE, L. K.: *Steamflood Heater Scale and Corrosion, JPT* (Feb. 1975) 171

BRADLEY, W. B.: *Factors Affecting the Control of Borehole Angle in Straight and Directional Wells, JPT* (June 1975) 679

BRADLEY, W. B. and FONTENOT, J. E.: *The Prediction and Control of Casing Wear, JPT* (Feb. 1975) 233; discussion, 243

BREWER, S. W. and GATES, C. F.: *Steam Injection Into the D and E Zone, Tulare Formation, South Belridge Field, Kern County, California, JPT* (Mar. 1975) 343

BRIGHAM, W. E. and KAMAL, M.: *Pulse-Testing Response for Unequal Pulse and Shut-In Periods*, **259**, II-399; *SPEJ* (Oct. 1975) 399

BRIGHAM, W. E. and KAMAL, M.: *The Effect of Linear Pressure Trends on Interference Tests, JPT* (Nov. 1975) 1383

BRILL, J. P. *et al.*: *Comparison of Liquid-Holdup and Friction-Factor Correlations for Gas-Liquid Flow, JPT* (May 1975) 564

BROOKS, J. P. *et al.*: *A New, Nondamaging, Acid-Soluble Weighting Material, JPT* (Jan. 1975) 15

BROWN, F. M. and EVANS, C. C.: *Workover and Recompletion of Subsea Completions in the Gulf of Mexico, JPT* (Apr. 1975) 445

BROWNE, E. J. P.: *Practical Aspects of Predicting Errors in Two-Phase Pressure-Loss Calculations, JPT* (Apr. 1975) 515

BURNS, W. A., Jr., *et al.*: *A Study of the Conroe Field, JPT* (July 1975) 813

BURSELL, C. G. and PITTMAN, G. M.: *Performance of Steam Displacement in the Kern River Field*, **259**, I-997; *JPT* (Aug. 1975) 997

BURT, R. A. *et al.*: *Review of Bell Creek Waterflood Performance—Powder River, Montana, JPT* (Dec. 1975) 1443

C

CALVERT, D. G. and SMITH, R. C.: *The Use of Sea Water in Well Cementing, JPT* (June 1975) 759

CARPENTER, C. W., Jr., *et al.*: *A Laboratory Study of Microemulsion Flooding*, **259**, II-87; *SPEJ* (Feb. 1975) 87

CASSÉ, F. J. *et al.*: *The Effect of Temperature on Relative and Absolute Permeability of Sandstones, SPEJ* (Oct. 1975) 376

CHAMBERS, J. B. and HILLEGEIST, R. B.: *Producing Sour Oil and Gas in the Jay Field, JPT* (June 1975) 701

CHAVENT, G. *et al.*: *History Matching by Use of Optimal Control Theory*, **259**, II-74; *SPEJ* (Feb. 1975) 74

CHEN, T. K. *et al.*: *Recovery Improvement Study of the Gray Sand Reservoir, JPT* (Jan. 1975) 28

CHEN, W. H. and SEINFELD, J. H.: *Estimation of the Location of the Boundary of a Petroleum Reservoir, SPEJ* (Feb. 1975) 19

CHU, C. and TRIMBLE, A. E.: *Numerical Simulation of Steam*

Index of Papers Published in 1975 Journals

Author Index

A

AAGAARD, P. M. *et al.*: *Specifications for Oceanographic/Meteorological Studies for Offshore Operations*, **259**, I-523; *JPT* (Apr. 1975) 523

ABRAMS, A.: *The Influence of Fluid Viscosity, Interfacial Tension, and Flow Velocity on Residual Oil Saturation Left by Waterflood, SPEJ* (Oct. 1975) 437

ABRAMS, A. *et al.*: *An Oil-Coating Process to Stabilize Clays in Fresh Waterflooding Operations, JPT* (Sept. 1975) 1053; discussion, 1058

AGUILERA, R.: *Graphical Solution of Imbibition Equations Used To Predict Oil Recovery by Water Influx in Naturally Fractured Reservoirs, JPT* (Dec. 1975) 1526

AL-SAIF, A. S. *et al.*: *Analysis of Pulsed-Neutron Decay-Time Logs in Acidized Carbonate Formations, SPEJ* (Dec. 1975) 453

ANDERSON, R. A. *et al.*: *Estimation of Formation Strength From the Mechanical-Properties Log, JPT* (Mar. 1975) 283

ARGABRIGHT, P. A. *et al.*: *A New Chemical Approach to Permeability Reduction, JPT* (May 1975) 592

ARNOLD, P. *et al.*: *Soil Movements and Forces Developed by Wave-Induced Slides in the Mississippi Delta, JPT* (Apr. 1975) 500

ASHFORD, F. E. and PIERCE, P. E.: *Determining Multiphase Pressure Drops and Flow Capacities in Down-Hole Safety Valves, JPT* (Sept. 1975) 1145

AULT, J. W. *et al.*: *A New Model of the Physical and Chemical Changes in Sandstone During Acidizing, SPEJ* (Oct. 1975) 361

Reservoir Properties Affecting Matrix Acid Stimulation of Sandstones, **259**, I-633; *JPT* (May 1975) 633

AZIZ, K. *et al.*: *Critical Evaluation of Holdup Prediction Methods for Gas-Liquid Flow in Horizontal Pipes*, **259**, I-1017; *JPT* (Aug. 1975) 1017

B

BAKER, B. A. *et al.*: *Surface-Area Measurement of Geologic Materials, SPEJ* (Apr. 1975) 111

BANTHIA, B. S.: Discussion on *Estimation of Formation Strength From the Mechanical-Properties Log, JPT* (May 1975) 595

BARKMAN, J. H. *et al.*: *An Oil-Coating Process To Stabilize Clays in Fresh Waterflooding Operations, JPT* (Sept. 1975) 1053; discussion, 1058

BEA, R. G.: *Gulf of Mexico Hurricane Wave Heights*, **259**, I-1160; *JPT* (Sept. 1975) 1160

BEA, R. G. *et al.*: *Soil Movements and Forces Developed by Wave-Induced Slides in the Mississippi Delta, JPT* (Apr. 1975) 500

BEGGS, H. B. and ROBINSON, J. B.: *Estimating the Viscosity of Crude Oil Systems, JPT* (Sept. 1975) 1140

BELL, W. T. *et al.*: *Advancements in Uncased-Hole, Wireline Formation-Tester Techniques, JPT* (Nov. 1975) 1331

BENNETT, E. N. and FORGERSON, C. D.: *Predicting Reserves and Forecasting Flow Rates of Relatively Tight Gas Wells Using Limited Performance Data, JPT* (May 1975) 585

BENNETT, R. B. *et al.*: *The Effect of Temperature and Pressure on the Viscosity of Oil-Base Muds, JPT* (July 1975) 884

BERNARD, G. G.: *Effect of Clays, Limestone, and Gypsum on Soluble Oil Flooding, JPT* (Feb. 1975) 179

BERNARD, H. A. *et al.*: *Soil Movements and Forces Developed by Wave-Induced Slides in the Mississippi Delta, JPT* (Apr. 1975) 500

BERRY, D. W. and KYTE, J. R.: *New Pseudo Functions To Control Numerical Dispersion, SPEJ* (Aug. 1975) 269

BERTNESS, T. A. and SNAVELY, E. S., Jr.: *Removal of Sulfur Dioxide Emissions by Scrubbing With Oilfield-Produced Water, JPT* (Feb. 1975) 227

BILLINGSLEY, R. H. and BLEVINS, T. R.: *The Ten-Pattern Steamflood, Kern River Field, California*, **259**, I-1505; *JPT* (Dec. 1975) 1505

BLAND, R. G. *et al.*: *The Effect of Temperature and Pressure on the Viscosity of Oil-Base Muds, JPT* (July 1975) 885

BLEVINS, T. R. and BILLINGSLEY, R. H.: *The Ten-Pattern Steamflood, Kern River Field, California*, **259**, I-1505; *JPT* (Dec. 1975) 1505

BOORMAN, B. *et al.*: *Insulated Hot Oil-Producing Wells in Permafrost*, **259**, I-357; *JPT* (Mar. 1975) 357

BOUCK, L. S. *et al.*: *Performance of a Miscible Flood in the Bear Lake Cardium Unit, Pembina Field, Alberta, Canada, JPT* (June 1975) 672

BOURGOYNE, A. T., Jr., *et al.*: *Factors Affecting Bubble-Rise Velocity of Gas Kicks, JPT* (May 1975) 571

BOWER, A. B., Jr., *et al.*: *Manufactured Diamond Cutters Used in Drilling Bits, JPT* (May 1975) 543

BRADLEY, B. W. and GATZKE, L. K.: *Steamflood Heater Scale and Corrosion, JPT* (Feb. 1975) 171

BRADLEY, W. B.: *Factors Affecting the Control of Borehole Angle in Straight and Directional Wells, JPT* (June 1975) 679

BRADLEY, W. B. and FONTENOT, J. E.: *The Prediction and Control of Casing Wear, JPT* (Feb. 1975) 233; discussion, 243

BREWER, S. W. and GATES, C. F.: *Steam Injection Into the D and E Zone, Tulare Formation, South Belridge Field, Kern County, California, JPT* (Mar. 1975) 343

BRIGHAM, W. E. and KAMAL, M.: *Pulse-Testing Response for Unequal Pulse and Shut-In Periods*, **259**, II-399; *SPEJ* (Oct. 1975) 399

BRIGHAM, W. E. and KAMAL, M.: *The Effect of Linear Pressure Trends on Interference Tests, JPT* (Nov. 1975) 1383

BRILL, J. P. *et al.*: *Comparison of Liquid-Holdup and Friction-Factor Correlations for Gas-Liquid Flow, JPT* (May 1975) 564

BROOKS, J. P. *et al.*: *A New, Nondamaging, Acid-Soluble Weighting Material, JPT* (Jan. 1975) 15

BROWN, F. M. and EVANS, C. C.: *Workover and Recompletion of Subsea Completions in the Gulf of Mexico, JPT* (Apr. 1975) 445

BROWNE, E. J. P.: *Practical Aspects of Predicting Errors in Two-Phase Pressure-Loss Calculations, JPT* (Apr. 1975) 515

BURNS, W. A., Jr., *et al.*: *A Study of the Conroe Field, JPT* (July 1975) 813

BURSELL, C. G. and PITTMAN, G. M.: *Performance of Steam Displacement in the Kern River Field*, **259**, I-997; *JPT* (Aug. 1975) 997

BURT, R. A. *et al.*: *Review of Bell Creek Waterflood Performance—Powder River, Montana, JPT* (Dec. 1975) 1443

C

CALVERT, D. G. and SMITH, R. C.: *The Use of Sea Water in Well Cementing, JPT* (June 1975) 759

CARPENTER, C. W., Jr., *et al.*: *A Laboratory Study of Microemulsion Flooding*, **259**, II-87; *SPEJ* (Feb. 1975) 87

CASSÉ, F. J. *et al.*: *The Effect of Temperature on Relative and Absolute Permeability of Sandstones, SPEJ* (Oct. 1975) 376

CHAMBERS, J. B. and HILLEGEIST, R. B.: *Producing Sour Oil and Gas in the Jay Field, JPT* (June 1975) 701

CHAVENT, G. *et al.*: *History Matching by Use of Optimal Control Theory*, **259**, II-74; *SPEJ* (Feb. 1975) 74

CHEN, T. K. *et al.*: *Recovery Improvement Study of the Gray Sand Reservoir, JPT* (Jan. 1975) 28

CHEN, W. H. and SEINFELD, J. H.: *Estimation of the Location of the Boundary of a Petroleum Reservoir, SPEJ* (Feb. 1975) 19

CHU, C. and TRIMBLE, A. E.: *Numerical Simulation of Steam*

Displacement–Field Performance Applications, JPT (June 1975) 765
CINCO, H. *et al.*: *Unsteady-State Pressure Distribution Created by a Directionally Drilled Well*, **259**, I-1392; *JPT* (Nov. 1975) 1392
CLARK, K. K. and RAGHAVAN, R.: *Vertical Permeability From Limited Entry Flow Tests in Thick Formations*, **259**, II-65; *SPEJ* (Feb. 1975) 65
CLAY, R. R. *et al.*: *Fireflood of the P_{2-3} Sand Reservoir in the Miga Field of Eastern Venezuela, JPT* (Jan. 1975) 9
CLOSMANN, P. J.: *An Aquifer Model for Fissured Reservoirs*, **259**, II-385; *SPEJ* (Oct. 1975) 385
CLOTHIER, A. T. *et al.*: *Core Analysis of Unconsolidated and Friable Sands, JPT* (Dec. 1975) 1423
COBB, W. M. and DOWDLE, W. L.: *Static Formation Temperature From Well Logs—An Empirical Method, JPT* (Nov. 1975) 1326
COBB, W. M. and SMITH, J. T.: *An Investigation of Pressure-Buildup Tests in Bounded Reservoirs*, **259**, I-991; *JPT* (Aug. 1975) 991
COCHRANE, J. E. *et al.*: *Analysis of Pulsed-Neutron Decay-Time Logs in Acidized Carbonate Formations, SPEJ* (Dec. 1975) 453
COLLINS, T. and GRIFFITH, H. D.: *Determining Average Reservoir Properties From Gathering-Line Transient Analysis for a Multiwell Reservoir, JPT* (July 1975) 835
COOKE, C. E., Jr.: *Effect of Fracturing Fluids on Fracture Conductivity*, **259**, I-1273; *JPT* (Oct. 1975) 1273
COPPEL, C. P.: *Factors Causing Emulsion Upsets in Surface Facilities Following Acid Stimulation, JPT* (Sept. 1975) 1060
CUNNINGHAM, J. R. *et al.*: *A New Model of the Physical and Chemical Changes in Sandstone During Acidizing, SPEJ* (Oct. 1975) 361

D

DALTON, C. *et al.*: *Pressure Grouting: An Improved Method for Offshore Structure Grouting, JPT* (Apr. 1975) 495
DANDONA, A. K. and MORSE, R. A.: *Down-Dip Waterflooding of an Oil Reservoir Having a Gas Cap*, **259**, I-1005; *JPT* (Aug. 1975) 1005
DARLEY, H. C. H. *et al.*: *An Oil-Coating Process To Stabilize Clays in Fresh Waterflooding Operations, JPT* (Sept. 1975) 1053; discussion, 1058
DAVIES, B. *et al.*: *Insulated Hot Oil-Producing Wells in Permafrost*, **259**, I-357; *JPT* (Mar. 1975) 357
DAVIDSON, L. B.: *Investment Evaluation Under Conditions of Inflation, JPT* (Oct. 1975) 1183
DAVIES, W. J. *et al.*: *A Study of the Conroe Field, JPT* (July 1975) 813
DEAR, S. F., III, *et al.*: *A New, Nondamaging, Acid-Soluble Weighting Material, JPT* (Jan. 1975) 15
DESBRISAY, C. L. *et al.*: *Miscible Flood Performance of the Intisar "D" Field, Libyan Arab Republic, JPT* (Aug. 1975) 935
DIETRICH, J. K. and LITTLE, J. E.: *A Method for Determining Reservoir Fluid Saturations Using Field Production Data, SPEJ* (Dec. 1975) 477
DOHY, G. *et al.*: *Performance of a Miscible Flood in the Bear Lake Cardium Unit, Pembina Field, Alberta, Canada, JPT* (June 1975) 672
DONALDSON, E. C. *et al.*: *Surface-Area Measurement of Geologic Materials, SPEJ* (Apr. 1975) 111
DOUGHERTY, E. L. and NOZAKI, M.: *Determining Optimum Bid Fraction, JPT* (Mar. 1975) 349
DOWDLE, W. L. and COBB, W. M.: *Static Formation Temperature From Well Logs—An Empirical Method, JPT* (Nov. 1975) 1326
DOYLE, E. H. *et al.*: *Soil Movements and Forces Developed by Wave-Induced Slides in the Mississippi Delta, JPT* (Apr. 1975) 500
DRANCHUK, P. M. and FLORES, J.: *Non-Darcy Transient Radial Gas Flow Through Porous Media*, **259**, II-129; *SPEJ* (Apr. 1975) 129
DUNLAP, R. G. *et al.*: *Reservoir Properties Affecting Matrix Acid Stimulation of Sandstones*, **259**, I-633; *JPT* (May 1975) 633
DUPUY, M. *et al.*: *History Matching by Use of Optimal Control Theory*, **259**, II-74; *SPEJ* (Feb. 1975) 74

E

EARLE, E. N.: *Determination of Dynamic Characteristics of Offshore Platforms From Random Vibrations*, **259**, II-502; *SPEJ* (Dec. 1975) 502
EARLOUGHER, R. C., JR.,: Discussion on *Interference Analysis for Anisotropic Formations—A Case History*, **259**, I-1525; *JPT* (Dec. 1975) 1525
EATON, B. A. *et al.*: *Manufactured Diamond Cutters Used in Drilling Bits, JPT* (May 1975) 543
EDMUNDSON, H. N. *et al.*: *Analysis of Pulsed-Neutron Decay-Time Logs in Acidized Carbonate Formations, SPEJ* (Dec. 1975) 453
EMANUEL, A. S. *et al.*: *Practical Applications of Optimal-Control Theory to History-Matching Multiphase Simulator Models*, **259**, II-347; *SPEJ* (Aug. 1975) 347
ENGLANDER, H. E.: *Conductometric Measurement of Carbonate Scale Deposition and Scale Inhibitor Effectiveness, JPT* (July 1975) 827
EVANS, C. C. and BROWN, F. M.: *Workover and Recompletion of Subsea Completions in the Gulf of Mexico, JPT* (Apr. 1975) 445
EVANS, D. M. *et al.*: *Directional Acoustic-Velocity Distribution in a Petroleum Reservoir, SPEJ* (June 1975) 234
EVERS, R. H.: *Mixed-Media Filtration of Oily Waste Waters, JPT* (Feb. 1975) 157

F

FAHLMAN, G. H.: *Safety Characteristics of Lockheed's Subsea Production System, JPT* (Apr. 1975) 427
FALLON, A. R. *et al.*: *Specifications for Oceanographic/Meteorological Studies for Offshore Operations*, **259**, I-523; *JPT* (Apr. 1975) 523
FAROUQ ALI, S. M. and FINOL, A.: *Numerical Simulation of Oil Production With Simultaneous Ground Subsidence*, **259**, II-411; *SPEJ* (Oct. 1975) 411
FAROUQ ALI, S. M. and MAGNANI, C. F.: *Mathematical Modeling of the Stream Method of Underground Coal Gasification*, **259**, II-425; *SPEJ* (Oct. 1975) 425
FELSENTHAL, M. and GANGLE, F. J.: *A Case Study of Thief Zones in a California Waterflood*, **259**, I-1385; *JPT* (Nov. 1975) 1385
FINOL, A. and FAROUQ ALI, S. M.: *Numerical Simulation of Oil Production With Simultaneous Ground Subsidence*, **259**, II-411; *SPEJ* (Oct. 1975) 411
FISCHER, W. *et al.*: *Specifications for Oceanographic/Meteorological Studies for Offshore Operations*, **259**, I-523; *JPT* (Apr. 1975) 523
FITCH, J. L. *et al.*: *Multiple, Vertical Fractures From an Inclined Wellbore—A Field Experiment*, **259**, I-641; *JPT* (May 1975) 641
FLORES, J. and DRANCHUK, P. M.: *Non-Darcy Transient Radial Gas Flow Through Porous Media*, **259**, II-129; *SPEJ* (Apr. 1975) 129
FLUMERFELT, R. W.: *Laminar Displacement of Non-Newtonian Fluids in Parallel Plate and Narrow Gap Annular Geometries*, **259**, II-169; *SPEJ* (Apr. 1975) 165
FOGLER, H. S. *et al.*: *A New Model of the Physical and Chemical Changes in Sandstone During Acidizing, SPEJ* (Oct. 1975) 361
FONTENOT, J. E. and BRADLEY, W. B.: *The Prediction and Control of Casing Wear, JPT* (Feb. 1975) 233; discussion, 243
FORGERSON, C. D. and BENNETT, E. N.: *Predicting Reserves and Forecasting Flow Rates of Relatively Tight Gas Wells Using Limited Performance Data, JPT* (May 1975) 585
FROHNE, K. H. *et al.*: *Directional Acoustic-Velocity Distribution in a Petroleum Reservoir, SPEJ* (June 1975) 234
FROST, J. G. and KEENEY, B. R.: *Guidelines Regarding the Use of Alcohols in Acidic Stimulation Fluids, JPT* (May 1975) 552

G

GALLAGHER, J. L. and HIATT, W. N.: *History of the Rio Bravo Field, JPT* (Feb. 1975) 145

GANGLE, F. J. and FELSENTHAL, M.: *A Case Study of Thief Zones in a California Waterflood*, **259**, I-1385; *JPT* (Nov. 1975) 1385

GATES, C. F. and BREWER, S. W.: *Steam Injection Into the D and E Zone, Tulare Formation, South Belridge Field, Kern County, California, JPT* (Mar. 1975) 343

GATZKE, L. K. and BRADLEY, B. W.: *Steamflood Heater Scale and Corrosion, JPT* (Feb. 1975) 171

GIBBS, S. G.: *Computing Gearbox Torque and Motor Loading for Beam Pumping Units With Consideration of Inertia Effects*, **259**, I-1153; *JPT* (Sept. 1975) 1153

GLENN, E. E., Jr., *et al.*: *Multiple, Vertical Fractures From an Inclined Wellbore—A Field Experiment*, **259**, I-641; *JPT* (May 1975) 641

GONZALEZ-GERTH, E. *et al.*: *Fireflood of the $P_{2\text{-}3}$ Sand Reservoir in the Miga Field of Eastern Venezuela, JPT* (Jan. 1975) 9

GOODMAN, M. A. and WOOD, D. B.: *A Mechanical Model for Permafrost Freeze-Back Pressure Behavior*, **259**, II-287; *SPEJ* (Aug. 1975) 287

Permafrost Freeze-Back Pressure Behavior, JPT (Aug. 1975) 949

GOULD, T. L. and RAMSEY, E. L.: *Design of Offshore Gas Pipelines Accounting for Two-Phase Flow*, **259**, I-366; *JPT* (Mar. 1975) 366; discussion, *JPT* (May 1975) 648

GRAHAM, H. L. and PURSLEY, S. A.: *Borregos Field Surfactant Pilot Test, JPT* (June 1975) 695

GRAY, J. W. *et al.*: *Miscible Flood Performance of the Intisar "D" Field, Libyan Arab Republic, JPT* (Aug. 1975) 935

GREGORY, G. A. *et al.*: *Critical Evaluation of Holdup Prediction Methods for Gas-Liquid Flow in Horizontal Pipes*, **259**, I-1017; *JPT* (Aug. 1975) 1017

GRIFFITH, H. D. and COLLINS, T.: *Determining Average Reservoir Properties From Gathering-Line Transient Analysis for a Multiwell Reservoir, JPT* (July 1975) 835

GRINGARTEN, A. C. and RAMEY, H. J., Jr.: *An Approximate Infinite Conductivity Solution for a Partially Penetrating Line-Source Well*, **259**, II-140; *SPEJ* (Apr. 1975) 140

GRINGARTEN, A. C. *et al.*: *Applied Pressure Analysis for Fractured Wells*, **259**, I-887; *JPT* (July 1975) 887

GUIN, J. A. and ROBERTS, L. D.: *A New Method for Predicting Acid Penetration Distance, SPEJ* (Aug. 1975) 277

GULATI, M. S. and MALY, G. P.: *Thin-Section and Permeability Studies Call for Smaller Gravels in Gravel Packing, JPT* (Jan. 1975) 107

GUREGHIAN, A. B.: *A Study by the Finite-Element Method of the Influence of Fractures in Confined Aquifers*, **259**, II-181; *SPEJ* (Apr. 1975) 181

H

HADDENHORST, F. A. *et al.*: *Review of Bell Creek Waterflood Performance—Powder River, Montana, JPT* (Dec. 1975) 1443

HALL, B. E.: *The Effect of Mutual Solvents on Adsorption in Sandstone Acidizing, JPT* (Dec. 1975) 1439

HAMBY, T. W. *et al.*: *A Metal-Plating Process for Sand Consolidation, SPEJ* (June 1975) 209

HAND, J. H. *et al.*: *Denuding Hydrocarbon Liquids of Natural Gas Constituents by Hydrate Formation, JPT* (Feb. 1975) 223

HANSON, M. E. and McKEE, C. R.: *Explosively Created Permeability From Single Charges*, **259**, II-495; *SPEJ* (Dec. 1975) 495

HARRELL, R. R. *et al.*: *Analysis Procedure for Variable-Rate Pressure Drawdown Data, JPT* (Jan. 1975) 115

HARRIS, D. G.: *The Role of Geology in Reservoir Simulation Studies, JPT* (May 1975) 625

HARTFORD, J. C. *et al.*: *Review of Bell Creek Waterflood Performance—Powder River, Montana, JPT* (Dec. 1975) 1443

HAWTHORNE, R. G.: *The Effect of Capillary Pressure in a Multilayer Model of Porous Media, SPEJ* (Dec. 1975) 467

HEALY, R. N. *et al.*: *A Laboratory Study of Microemulsion Flooding*, **259**, II-87; *SPEJ* (Feb. 1975) 87

HEARN, C. L. *et al.*: *Performance of a Miscible Flood in the Bear Lake Cardium Unit, Pembina Field, Alberta, Canada, JPT* (June 1975) 672

HEILHECKER, J. K. and ROBINSON, L. H.: *Solids Control in Weighted Drilling Fluids, JPT* (Sept. 1975) 1141

HEINTZ, R. C. and RIVERO, R. T.: *Resteaming Time Determination—Case History of a Steam-Soak Well in Midway Sunset, JPT* (June 1975) 665

HEMPHILL, D. P. *et al.*: *Repair and Connection of Offshore Pipelines in Water Depths to 3,000 Feet, JPT* (Apr. 1975) 415

HERNANDEZ, F. *et al.*: *Comparison of Liquid-Holdup and Friction-Factor Correlations for Gas-Liquid Flow, JPT* (May 1975) 564

HIATT, W. N. and GALLAGHER, J. L.: *History of the Rio Bravo Field, JPT* (Feb. 1975) 145

HILL, H. J. *et al.*: *An Oil-Coating Process to Stabilize Clays in Fresh Waterflooding Operations, JPT* (Sept. 1975) 1053; discussion, 1058

HILLEGEIST, R. B. and CHAMBERS, J. B.: *Producing Sour Oil and Gas in the Jay Field, JPT* (June 1975) 701

HIRASAKI, G. J.: *Sensitivity Coefficients for History Matching Oil Displacement Processes, SPEJ* (Feb. 1975) 39

HOLDER, G. D. *et al.*: *Denuding Hydrocarbon Liquids of Natural Gas Constituents by Hydrate Formation, JPT* (Feb. 1975) 223

HOLST, P. H. and KARRA, P. S.: *The Size of the Steam Zone in Wet Combustion, SPEJ* (Feb. 1975) 13

HONG, K. C.: *Productivity of Perforated Completions in Formations With or Without Damage*, **259**, I-1027; *JPT* (Aug. 1975) 1027

HOPKINSON, E. C. and YOUMANS, A. H.: *The Influence of Instrument Design on Neutron Lifetime Measurements*, **259**, II-161; *SPEJ* (Apr. 1975) 161

HUDSON, T. A. *et al.*: *Specifications for Oceanographic/Meteorological Studies for Offshore Operations*, **259**, I-523; *JPT* (Apr. 1975) 523

J

JENNINGS, H. Y., Jr.: *A Study of Caustic Solution-Crude Oil Interfacial Tension*, **259**, II-197; *SPEJ* (June 1975) 197

JONES, F. O., Jr.: *A Laboratory Study of the Effects of Confining Pressure on Fracture Flow and Storage Capacity in Carbonate Rocks, JPT* (Jan. 1975) 21

JONES, K. M. and SCHAFF, J. C.: *Icebreaking Drillship for Offshore Exploratory Drilling in the Arctic, JPT* (Apr. 1975) 433

JONES, S. C.: Discussion on *A Laboratory Study of Microemulsion Flooding*, **259**, II-100; *SPEJ* (Feb. 1975) 100

JOYNER, H. D.: *A Correlation of Electric-Log-Indicated Reservoir Temperature With Actual Reservoir Temperature—Southwest Louisiana, JPT* (Feb. 1975) 181

K

KAMAL, M. and BRIGHAM, W. E.: *Pulse-Testing Response for Unequal Pulse and Shut-In Periods*, **259**, II-399; *SPEJ* (Oct. 1975) 399

The Effect of Linear Pressure Trends on Interference Tests, JPT (Nov. 1975) 1383

KARNES, G. T. *et al.*: *Self-Generating Mud Acid, JPT* (Oct. 1975) 1199

KARRA, P. S. and HOLST, P. H.: *The Size of the Steam Zone in Wet Combustion, SPEJ* (Feb. 1975) 13

KATZ, D. L. *et al.*: *Denuding Hydrocarbon Liquids of Natural Gas Constituents by Hydrate Formation, JPT* (Feb. 1975) 223

KAY, F. J. *et al.*: *Pressure Grouting: An Improved Method for Offshore Structure Grouting, JPT* (Apr. 1975) 495

KAZEMI, H.: *A Reservoir Simulator for Studying Productivity Variation and Transient Behavior of a Well in a Reservoir Undergoing Gas Evolution*, **259**, I-1401; *JPT* (Nov. 1975) 1401

KEELAN, D. K. and PUGH, V. J.: *Trapped-Gas Saturations in Carbonate Formations*, **259**, II-149; *SPEJ* (Apr. 1975) 149

KEENEY, B. R. and FROST, J. G.: *Guidelines Regarding the Use of Alcohols in Acidic Stimulation Fluids, JPT* (May 1975) 552

KELM, C. H. and ROBERTSON, D. C.: *Injection-Well Testing To Optimize Waterflood Performance, JPT* (Nov. 1975) 1337
KENDALL, R. F. *et al.*: *Surface-Area Measurement of Geologic Materials, SPEJ* (Apr. 1975) 111
KENNEDY, J. H. *et al.*: *Recovery Improvement Study of the Gray Sand Reservoir, JPT* (Jan. 1975) 28
KHALIL, J. N. and PHIPPS, S. C.: *A Method for Determining the Exponent Value in a Forchheimer-Type Flow Equation, JPT* (July 1975) 883
KINGSTON, P. E. and NIKO, H.: *Development Planning of the Brent Field, JPT* (Oct. 1975) 1190
KNOP, D. R. and ROORDA, J. F.: *Economic Restraints on U.S. Energy Supply and Demand, JPT* (July 1975) 803
KOERPERICH, E. A.: *Utilization of Waxman-Smits Equations for Determining Oil Saturation in a Low-Salinity, Shaly Sand Reservoir, JPT* (Oct. 1975) 1204
KOMAR, C. A. and SHUCK, L. Z.: *Pressure Responses From Induced Hydraulic Fractures in Adjacent Wells Within a Petroleum Reservoir: An Experiment, JPT* (Aug. 1975) 951
KOONCE, K. T. *et al.*: *Determination of the Compass Orientation and Length of Hydraulic Fractures by Pulse Testing, JPT* (Dec. 1975) 1433
KUANG, J. G. and STANTON, P. N.: *Evaluation of Semisubmersible Drilling Vessels, JPT* (Apr. 1975) 422
KYTE, J. R. and BERRY, D. W.: *New Pseudo Functions To Control Numerical Dispersion, SPEJ* (Aug. 1975) 269

L

LABRID, J. C.: *Thermodynamic and Kinetic Aspects of Argillaceous Sandstone Acidizing, SPEJ* (Apr. 1975) 117
LARSON, V. F.: *Deep-Water Coring for Scientific Purposes, JPT* (Aug. 1975) 925
LAUMBACH, D. D.: *A High-Accuracy Finite-Difference Technique for Treating the Convection-Diffusion Equation, SPEJ* (Dec. 1975) 517
LEE, W. J. *et al.*: *Analysis Procedure for Variable-Rate Pressure Drawdown Data, JPT* (Jan. 1975) 115
LEMONNIER, P. *et al.*: *History Matching by Use of Optimal Control Theory,* **259**, II-74; *SPEJ* (Feb. 1975) 74
LITTLE, J. E. and DIETRICH, J. K.: *A Method for Determining Reservoir Fluid Saturations Using Field Production Data, SPEJ* (Dec. 1975) 477
LIU, S. T. and NANCOLLAS, G. H.: *Crystal Growth and Dissolution of Barium Sulfate,* **259**, II-509; *SPEJ* (Dec. 1975) 509
LOVELESS, G. W. *et al.*: *Estimation of Formation Strength From the Mechanical-Properties Log, JPT* (Mar. 1975) 283
LUBINSKI, A.: Discussion on *The Prediction and Control of Casing Wear, JPT* (Feb. 1975) 243
LUKE, R. R. *et al.*: *Repair and Connection of Offshore Pipelines in Water Depths to 3,000 Feet, JPT* (Apr. 1975) 415
LUND, K. *et al.*: *A New Model of the Physical and Chemical Changes in Sandstone During Acidizing, SPEJ* (Oct. 1975) 361
LYBARGER, J. H. *et al.*: *Self-Generating Mud Acid, JPT* (Oct. 1975) 1199
LYON, J. R.: *Using Multiple Cutoff Rates for Capital Investment, JPT* (July 1975) 822

M

MADDOX, N. R.: *A Deterministic Fatigue Analysis for Offshore Platforms,* **259**, I-901; *JPT* (July 1975) 901
MAERKER, J. M.: *Shear Degradation of Partially Hydrolyzed Polyacrylamide Solutions,* **259**, II-311; *SPEJ* (Aug. 1975) 311
MAGNANI, C. F. and FAROUQ ALI, S. M.: *Mathematical Modeling of the Stream Method of Underground Coal Gasification,* **259**, II-425; *SPEJ* (Oct. 1975) 425
MALY, G. P. and GULATI, M. S.: *Thin-Section and Permeability Studies Call for Smaller Gravels in Gravel Packing, JPT* (Jan. 1975) 107
MANDHANE, J. M. *et al.*: *Critical Evaluation of Holdup Prediction Methods for Gas-Liquid Flow in Horizontal Pipes,* **259**, I-1017; *JPT* (Aug. 1975) 1017
MANNING, F. S. *et al.*: *Surface-Area Measurement of Geologic Materials, SPEJ* (May 1975) 111
MARCANO, N. *et al.*: *Comparison of Liquid-Holdup and Friction-Factor Correlations for Gas-Liquid Flow, JPT* (May 1975) 564
MARTIN, J. C.: *Analysis of Internal Steam Drive in Geothermal Reservoirs,* **259**, I-1493; *JPT* (Dec. 1975) 1493
MARTIS, J. A. *et al.*: *Manufactured Diamond Cutters Used in Drilling Bits, JPT* (May 1975) 543
MATTAX, C. C. *et al.*: *Core Analysis of Unconsolidated and Friable Sands, JPT* (Dec. 1975) 1423
MAYES, T. M. and WALKER, R. E.: *Design of Muds for Carrying Capacity,* **259**, I-893; *JPT* (July 1975) 893
McCAIN, W. D. *et al.*: *Analysis Procedure for Variable-Rate Pressure Drawdown Data, JPT* (Jan. 1975) 115
McCUNE, C. C. *et al.*: *A New Model of the Physical and Chemical Changes in Sandstone During Acidizing, SPEJ* (Oct. 1975) 361
Reservoir Properties Affecting Matrix Acid Stimulation of Sandstones, **259**, I-633; *JPT* (May 1975) 633
McDERMOTT, D. C. *et al.*: *Repair and Connection of Offshore Pipelines in Water Depths to 3,000 Feet, JPT* (Apr. 1975) 415
McELHINEY, J. E. *et al.*: *Recovery Improvement Study of the Gray Sand Reservoir, JPT* (Jan. 1975) 28
McKEE, C. R. and HANSON, M. E.: *Explosively Created Permeability From Single Charges,* **259**, II-495; *SPEJ* (Dec. 1975) 495
McKINLAY, P. F. and TANNER, H. L.: *The Shale-Compensated Chlorine Log, JPT* (Feb. 1975) 164
McKINLEY, R. M. *et al.*: *Core Analysis of Unconsolidated and Friable Sands, JPT* (Dec. 1975) 1423
McMORDIE, W. C., Jr., *et al.*: *The Effect of Temperature and Pressure on the Viscosity of Oil-Base Muds, JPT* (July 1975) 884
MEANS, J. O. and WHITE, J. L.: *Polysaccharide Derivatives Provide High Viscosity and Low Friction at Low Surface Fluid Temperature, JPT* (Sept. 1975) 1067
MERRIAM, R. *et al.*: *Insulated Hot Oil-Producing Wells in Permafrost,* **259**, I-357; *JPT* (Mar. 1975) 357
MILLER, F. G. *et al.*: *Unsteady-State Pressure Distribution Created by a Directionally Drilled Well,* **259**, I-1392; *JPT* (Nov. 1975) 1392
MILZ, E. A. *et al.*: *Repair and Connection of Offshore Pipelines in Water Depths to 3,000 Feet, JPT* (Apr. 1975) 415
MOBARAK, S.: *Waterflooding Performance Using Dykstra-Parsons as Compared With Numerical Model Performance, JPT* (Jan. 1975) 113; discussion, *JPT* (Dec. 1975) 1528 and *JPT* (June 1975) 709
MORELAND, E. E. *et al.*: *Characterization of a Gas Well From One Flow-Test Sequence,* **259**, I-1500; *JPT* (Dec. 1975) 1500
MORSE, R. A. and DANDONA, A. K.: *Down-Dip Waterflooding of an Oil Reservoir Having a Gas Cap,* **259**, I-1005; *JPT* (Aug. 1975) 1005
MUNGAN, N.: *A Theoretical and Experimental Coning Study,* **259**, II-247; *SPEJ* (June 1975) 247

N

NANCOLLAS, G. H. and LIU, S. T.: *Crystal Growth and Dissolution of Barium Sulfate,* **259**, II-509; *SPEJ* (Dec. 1975) 509
NIKO, H. and KINGSTON, P. E.: *Development Planning of the Brent Field, JPT* (Oct. 1975) 1190
NOZAKI, M. and DOUGHERTY, E. L.: *Determining Optimum Bid Fraction, JPT* (Mar. 1975) 349

O

O'BRIEN, S. M. and PRATS, M.: *The Thermal Conductivity and Diffusivity of Green River Oil Shales,* **259**, I-97; *JPT* (Jan. 1975) 97
ODEH, A. S. *et al.*: *Characterization of a Gas Well From One Flow-Test Sequence,* **259**, I-1500; *JPT* (Dec. 1975) 1500
OSTROFF, A. G.: *Subsurface Water–Tool for Petroleum Exploration, SPEJ* (Feb. 1975) 50

P

PARSONS, R. W.: *Microwave Attenuation—A New Tool for Monitoring Saturations in Laboratory Flooding Experiments*, **259**, II-302; *SPEJ* (Aug. 1975) 302; discussion, 309

PETERSON, M. L.: *Steel Selection for Offshore Structures*, *JPT* (Mar. 1975) 274

PHILLIPS, B. L. *et al.*: *A New Chemical Approach to Permeability Reduction*, *JPT* (May 1975) 592

PHIPPS, S. C. and KHALIL, J. N.: *A Method for Determining the Exponent Value in a Forchheimer-Type Flow Equation*, *JPT* (July 1975) 883

PIERCE, A. E. *et al.*: *Determination of the Compass Orientation and Length of Hydraulic Fractures by Pulse Testing*, *JPT* (Dec. 1975) 1433

PIERCE, P. E. and ASHFORD, F. E.: *Determining Multiphase Pressure Drops and Flow Capacities in Down-Hole Safety Valves*, *JPT* (Sept. 1975) 1145

PINKSTER, J. A.: *Low-Frequency Phenomena Associated With Vessels Moored at Sea*, **259**, II-487; *SPEJ* (Dec. 1975) 487

PITTMAN, G. M. and BURSELL, C. G.: *Performance of Steam Displacement in the Kern River Field*, **259**, I-997; *JPT* (Aug. 1975) 997

PRASAD, R. K.: *Pressure Transient Analysis in the Presence of Two Intersecting Boundaries*, **259**, I-89; *JPT* (Jan. 1975) 89

PRATS, M. and O'BRIEN, S. M.: *The Thermal Conductivity and Diffusivity of Green River Oil Shales*, **259**, I-97; *JPT* (Jan. 1975) 97

PRATS, M. and SCOTT, J. B.: *Effect of Wellbore Storage on Pulse-Test Pressure Response*, *JPT* (June 1975) 707

PRESLEY, C. T. *et al.*: *A New Chemical Approach to Permeability Reduction*, *JPT* (May 1975) 592

PRIMM, L. A.: *Diamond Drilling at Altamont, Utah*, *JPT* (June 1975) 785

PUGH, V. J. and KEELAN, D. K.: *Trapped-Gas Saturations in Carbonate Formations*, **259**, II-149; *SPEJ* (Apr. 1975) 149

PURSLEY, S. A. and GRAHAM, H. L.: *Borregos Field Surfactant Pilot Test*, *JPT* (June 1975) 695

R

RADER, D. W. *et al.*: *Factors Affecting Bubble-Rise Velocity of Gas Kicks*, *JPT* (May 1975) 571

RAGHAVAN, R. and CLARK, K. K.: *Vertical Permeability From Limited Entry Flow Tests in Thick Formations*, **259**, II-65; *SPEJ* (Feb. 1975) 65

RAGHAVAN, R. *et al.*: *Applied Pressure Analysis for Fractured Wells*, **259**, I-887; *JPT* (July 1975) 887

RAIMONDI, P. *et al.*: *A Field Test of Underground Combustion of Coal*, *JPT* (Jan. 1975) 35

RAMEY, H. J., Jr.: *Commentary on the Terms "Transmissibility" and "Storage"*, *JPT* (Mar. 1975) 294

Interference Analysis for Anisotropic Formations—A Case History, **259**, I-1290; *JPT* (Oct. 1975) 1290; discussion, **259**, I-1525; *JPT* (Dec. 1975) 1525

RAMEY, H. J., Jr., and GRINGARTEN, A. C.: *An Approximate Infinite Conductivity Solution for a Partially Penetrating Line-Source Well*, **259**, II-140; *SPEJ* (Apr. 1975) 140

RAMEY, H. J., Jr., *et al.*: *Applied Pressure Analysis for Fractured Wells*, **259**, I-887; *JPT* (July 1975) 887

Unsteady-State Pressure Distribution Created by a Directionally Drilled Well, **259**, I-1392; *JPT* (Nov. 1975) 1392

The Effect of Temperature on Relative and Absolute Permeability of Sandstones, *SPEJ* (Oct. 1975) 376

RAMSEY, E. L. and GOULD, T. L.: *Design of Offshore Gas Pipelines Accounting for Two-Phase Flow*, **259**, I-366; *JPT* (Mar. 1975) 366; discussion, *JPT* (May 1975) 648

REED, R. L. *et al.*: *A Laboratory Study of Microemulsion Flooding*, **259**, II-87; *SPEJ* (Feb. 1975) 87

RENNICK, G. E. *et al.*: *Directional Acoustic-Velocity Distribution in a Petroleum Reservoir*, *SPEJ* (June 1975) 234

RICHARDSON, E. A. *et al.*: *A Metal-Plating Process for Sand Consolidation*, *SPEJ* (June 1975) 209

Self-Generating Mud Acid, *JPT* (Oct. 1975) 1199

RIVERO, R. T. and HEINTZ, R. C.: *Resteaming Time Determination—Case History of a Steam-Soak Well in Midway Sunset*, *JPT* (June 1975) 665

ROBERSON, G. R. and SCHREMP, F. W.: *Effect of Supercritical Carbon Dioxide (CO_2) on Construction Materials*, *SPEJ* (June 1975) 227

ROBERTS, L. D. and GUIN, J. A.: *A New Method for Predicting Acid Penetration Distance*, *SPEJ* (Aug. 1975) 277

ROBERTSON, D. C. and KELM, C. H.: *Injection-Well Testing To Optimize Waterflood Performance*, *JPT* (Nov. 1975) 1337

ROBINSON, J. R. and BEGGS, H. D.: *Estimating the Viscosity of Crude Oil Systems*, *JPT* (Sept. 1975) 1140

ROBINSON, L. H. and HEILHECKER, J. K.: *Solids Control in Weighted Drilling Fluids*, *JPT* (Sept. 1975) 1141

ROORDA, J. F. and KNOP, D. R.: *Economic Restraints on U.S. Energy Supply and Demand*, *JPT* (July 1975) 803

ROSSEN, R. H.: *A Regression Approach to Estimating Gas in Place for Gas Fields*, **259**, I-1283; *JPT* (Oct. 1975) 1283

S

SCHAFF, J. C. and JONES, K. M.: *Icebreaking Drillship for Offshore Exploratory Drilling in the Arctic*, *JPT* (Apr. 1975) 433

SCHNEIDER, F. N. and SHELTON, J. L.: *The Effects of Water Injection on Miscible Flooding Methods Using Hydrocarbons and Carbon Dioxide*, *SPEJ* (June 1975) 217

SCHREMP, F. W. and ROBERSON, G. R.: *Effect of Supercritical Carbon Dioxide (CO_2) on Construction Materials*, *SPEJ* (June 1975) 227

SCHUELER, S. *et al.*: *Characterization of a Gas Well From One Flow-Test Sequence*, **259**, I-1500; *JPT* (Dec. 1975) 1500

SCHULTZ, A. L. *et al.*: *Advancements in Uncased-Hole, Wireline Formation-Tester Techniques*, *JPT* (Nov. 1975) 1331

SCOTT, J. B. and PRATS, M.: *Effect of Wellbore Storage on Pulse-Test Pressure Response*, *JPT* (June 1975) 707

SEINFELD, J. H. and CHEN, W. H.: *Estimation of the Location of the Boundary of a Petroleum Reservoir*, *SPEJ* (Feb. 1975) 19

SEINFELD, J. H. *et al.*: *Practical Applications of Optimal-Control Theory to History-Matching Multiphase Simulator Models*, **259**, II-347; *SPEJ* (Aug. 1975) 347

SHELTON, J. L. and SCHNEIDER, F. N.: *The Effects of Water Injection on Miscible Flooding Methods Using Hydrocarbons and Carbon Dioxide*, *SPEJ* (June 1975) 217

SHUCK, L. Z. and KOMAR, C. A.: *Pressure Responses From Induced Hydraulic Fractures in Adjacent Wells Within a Petroleum Reservoir: An Experiment*, *JPT* (Aug. 1975) 951

SHUCK, L. Z. *et al.*: *Directional Acoustic-Velocity Distribution in a Petroleum Reservoir*, *SPEJ* (June 1975) 234

SINCOVEC, R. F.: *Numerical Reservoir Simulation Using an Ordinary-Differential-Equations Integrator*, **259**, II-255; *SPEJ* (June 1975) 255

SLOAN, J. P. *et al.*: *A New, Nondamaging, Acid-Soluble Weighting Material*, *JPT* (Jan. 1975) 15

SMITH, J. T. and COBB, W. M.: *An Investigation of Pressure-Buildup Tests in Bounded Reservoirs*, **259**, I-991; *JPT* (Aug. 1975) 991

SMITH, R. C. and CALVERT, D. G.: *The Use of Sea Water in Well Cementing*, *JPT* (June 1975) 759

SMITH, R. C. and STEFFENSEN, R. J.: *Interpretation of Temperature Profiles in Water-Injection Wells*, **259**, I-777; *JPT* (June 1975) 777

SMITH, R. E. *et al.*: *A New Chemical Approach to Permeability Reduction*, *JPT* (May 1975) 592

SNAVELY, E. S., Jr., and BERTNESS, T. A.: *Removal of Sulfur Dioxide Emissions by Scrubbing With Oilfield-Produced Water*, *JPT* (Feb. 1975) 227

SPIVAK, A. *et al.*: *Miscible Flood Performance of the Intisar "D" Field, Libyan Arab Republic*, *JPT* (Aug. 1975) 935

STANTON, P. N. and KUANG, J. G.: *Evaluation of Semisubmersible Drilling Vessels*, *JPT* (Apr. 1975) 422

STEFFENSEN, R. J. and SMITH, R. C.: *Interpretation of Temperature Profiles in Water-Injection Wells*, **259**, I-777; *JPT* (June 1975) 777

STERLING, G. H. and STROHBECK, G. E.: *The Failure of the South Pass 70 Platform B in Hurricane Camille, JPT* (Mar. 1975) 263
STOKKE, O. M. and YOST, M. E.: *Filtration of Polymer Solutions, JPT* (Oct. 1975) 1271
STRICKLAND, W. T., Jr., *et al.*: *A Metal-Plating Process for Sand Consolidation, SPEJ* (June 1975) 209
STROHBECK, G. E. and STERLING, G. H.: *The Failure of the South Pass 70 Platform B in Hurricane Camille, JPT* (Mar. 1975) 263
STRUBHAR, M. K. *et al.*: *Multiple, Vertical Fractures From an Inclined Wellbore—A Field Experiment*, **259**, I-641; *JPT* (May 1975) 641
SUTKO, A. A.: *Floating Breakwaters—A Wave Tank Study, JPT* (Mar. 1975) 269
SZABO, M. T.: *Laboratory Investigations of Factors Influencing Polymer Flood Performance*, **259**, II-338; *SPEJ* (Aug. 1975) 338
Some Aspects of Polymer Retention in Porous Media Using a C^{14}-Tagged Hydrolyzed Polyacrylamide, **259**, II-323; *SPEJ* (Aug. 1975) 323

T

TANNER, H. L. and McKINLAY, P. F.: *The Shale-Compensated Chlorine Log, JPT* (Feb. 1975) 164
TANNICH, J. D.: *Liquid Removal From Hydraulically Fractured Gas Wells, JPT* (Nov. 1975) 1309
TEMPLETON, C. C. *et al.*: *Self-Generating Mud Acid, JPT* (Oct. 1975) 1199
TERWILLIGER, P. L. *et al.*: *A Field Test of Underground Combustion of Coal, JPT* (Jan. 1975) 35
Fireflood of the $P_{2\text{-}3}$ Sand Reservoir in the Miga Field of Eastern Venezuela, JPT (Jan. 1975) 9
TINSLEY, J. M. and WILLIAMS, J. R., Jr.: *A New Method for Providing Increased Fracture Conductivity and Improving Stimulation Results, JPT* (Nov. 1975) 1319
TIXIER, M. P. *et al.*: *Estimation of Formation Strength From the Mechanical-Properties Log, JPT* (Mar. 1975) 283
TORREST, R. S.: *Electroless Nickel Sand Consolidation: Laboratory Studies of Cementation and Calculated Effect on Well Productivity, SPEJ* (June 1975) 203
TORREST, R. S. *et al.*: *A Metal-Plating Process for Sand Consolidation, SPEJ* (June 1975) 209
TRAGESSER, A. F. *et al.*: *Pressure Grouting: An Improved Method for Offshore Structure Grouting, JPT* (Apr. 1975) 495
TRIMBLE, A. E. and CHU, C.: *Numerical Simulation of Steam Displacement—Field Performance Applications, JPT* (June 1975) 765
TRUE, M. E. and WEINER, P. D.: *Optimum Means of Protecting Casing and Drillpipe Tool Joints Against Wear, JPT* (Feb. 1975) 246

U

UHL, A. E.: Further Discussion on *Design of Offshore Gas Pipelines Accounting for Two-Phase Flow*, **259**, I-649; *JPT* (May 1975) 649
URBANOSKY, H. J. *et al.*: *Advancements in Uncased-Hole, Wireline Formation-Tester Techniques, JPT* (Nov. 1975) 1331

V

VELA, S. *et al.*: *Determination of the Compass Orientation and Length of Hydraulic Fractures by Pulse Testing, JPT* (Dec. 1975) 1433
VERMA, V. K. *et al.*: *Denuding Hydrocarbon Liquids of Natural Gas Constituents by Hydrate Formation, JPT* (Feb. 1975) 223
VETTER, O. J. G.: *How Barium Sulfate Is Formed: An Interpretation*, **259**, I-1515; *JPT* (Dec. 1975) 1515
VOHRA, I. R. *et al.*: *Comparison of Liquid-Holdup and Friction-Factor Correlations for Gas-Liquid Flow, JPT* (May 1975) 564

W

WALDY, D.: Discussion on *Waterflooding Performance Using Dykstra-Parsons as Compared With Numerical Model Performance, JPT* (Dec. 1975) 1528
WALKER, R. E. and MAYES, T. M.: *Design of Muds for Carrying Capacity*, **259**, I-893; *JPT* (July 1975) 893
WARD, R. H. *et al.*: *Factors Affecting Bubble-Rise Velocity of Gas Kicks, JPT* (May 1975) 571
WASSERMAN, M. L. *et al.*: *Practical Applications of Optimal-Control Theory to History-Matching Multiphase Simulator Models*, **259**, II-347; *SPEJ* (Aug. 1975) 347
WECHSLER, A. *et al.*: *Insulated Hot Oil-Producing Wells in Permafrost*, **259**, I-357; *JPT* (Mar. 1975) 357
WEINBRANDT, R. M. *et al.*: *The Effect of Temperature on Relative and Absolute Permeability of Sandstones, SPEJ* (Oct. 1975) 376
WEINER, P. D. and TRUE, M. E.: *Optimum Means of Protecting Casing and Drillpipe Tool Joints Against Wear, JPT* (Feb. 1975) 246
WELGE, H. J.: *Predicting Displacement Efficiency From Water-Cut or Gas-Cut Field Data, JPT* (Aug. 1975) 944
WHITE, J. L. and MEANS, J. O.: *Polysaccharide Derivatives Provide High Viscosity and Low Friction at Low Surface Fluid Temperatures, JPT* (Sept. 1975) 1067
WHITSON, R. E. *et al.*: *A Study of the Conroe Field, JPT* (July 1975) 813
WILLIAMS, J. R., Jr., and TINSLEY, J. M.: *A New Method for Providing Increased Fracture Conductivity and Improving Stimulation Results, JPT* (Nov. 1975) 1319
WILSON, J. F.: Discussion on *Waterflooding Performance Using Dykstra-Parsons as Compared With Numerical Model Performance, JPT* (June 1975) 709
WILSON, L. A., Jr., *et al.*: *A Field Test of Underground Combustion of Coal, JPT* (Jan. 1975) 35
Fireflood of the $P_{2\text{-}3}$ Sand Reservoir in the Miga Field of Eastern Venezuela, JPT (Jan. 1975) 9
WOERTZ, B. B.: *Vapor-Liquid Equilibrium Ratios of Gases and Light Hydrocarbons in Methyl Cyanoacetate, SPEJ* (Feb. 1975) 7
WOOD, D. B. and GOODMAN, M. A.: *A Mechanical Model for Permafrost Freeze-Back Pressure Behavior*, **259**, II-287; *SPEJ* (Aug. 1975) 287
Permafrost Freeze-Back Pressure Behavior, JPT (Aug. 1975) 949

Y

YEH, W. W-G.: *Optimal Identification of Parameters in an Inhomogeneous Medium With Quadratic Programming, SPEJ* (Oct. 1975) 371
YOST, M. E. and STOKKE, O. M.: *Filtration of Polymer Solutions, JPT* (Oct. 1975) 1271
YOUMANS, A. H. and HOPKINSON, E. C.: *The Influence of Instrument Design on Neutron Lifetime Measurements*, **259**, II-161; *SPEJ* (Apr. 1975) 161
YOUNGBLOOD, W. E. *et al.*: *Analysis of Pulsed-Neutron Decay-Time Logs in Acidized Carbonate Formations, SPEJ* (Dec. 1975) 453

Subject Index

A

ACCOUNTING: offshore gas pipelines: design for two-phase flow, **259**, I-366; *JPT* (Mar. 1975) 366; discussion, *JPT* (May 1975) 648

ACIDIZING: acid-soluble weighting material: new, nondamaging, *JPT* (Jan. 1975) 15

carbonate formation: analysis of pulsed-neutron decay-time logs, *SPEJ* (Dec. 1975) 453

fractures: acid penetration distance; new method for predicting, *SPEJ* (Aug. 1975) 277

in-situ: self-generating mud acid, *JPT* (Oct. 1975) 1199

sandstone: argillaceous; thermodynamic and kinetic aspects, *SPEJ* (Apr. 1975) 117

effect of mutual solvents on adsorption, *JPT* (Dec. 1975) 1439

new model of physical and chemical changes, *SPEJ* (Oct. 1975) 361

reservoir properties affecting matrix acid stimulation, **259**, I-633; *JPT* (May 1975) 633

ACIDS: spent: guidelines regarding the use of alcohols for fast cleanup, *JPT* (May 1975) 552

stimulation: factors causing emulsion upsets in surface facilities, *JPT* (Sept. 1975) 1060

ACOUSTIC VELOCITY LOGGING: directional distribution: petroleum reservoir, *SPEJ* (June 1975) 234

ADDITIVES: fluid-loss: fracturing fluids; effect on fracture conductivity, **259**, I-1273; *JPT* (Oct. 1975) 1273

ADSORPTION: effect of mutual solvents: sandstone acidizing, *JPT* (Dec. 1975) 1439

static tests: some aspects of polymer retention in porous media using a C^{14}-tagged hydrolyzed polyacrylamide, **259**, II-323; *SPEJ* (Aug. 1975) 323

ALASKA: North Slope: insulated hot oil-producing wells in permafrost, **259**, I-357; *JPT* (Mar. 1975) 357

permafrost freeze-back: pressure behavior, *JPT* (Aug. 1975) 949

Prudhoe Bay condensate: denuding hydrocarbon liquids of natural gas constituents by hydrate formation, *JPT* (Feb. 1975) 223

Ray field condensate: denuding hydrocarbon liquids of natural gas constituents by hydrate formation, *JPT* (Feb. 1975) 223

ALCOHOLS: acidic stimulation fluids: guidelines regarding use, *JPT* (May 1975) 552

ALGORITHM: optimal identification of parameter: inhomogeneous medium with quadratic programming, *SPEJ* (Oct. 1975) 371

steepest-descent: estimation of location of the boundary of a petroleum reservoir, *SPEJ* (Feb. 1975) 19

ALTAMONT FIELD: *See* Utah

AMPLITUDE CHARACTERISTICS: pulse-testing response: for unequal pulse and shut-in periods, **259**, II-399; *SPEJ* (Oct. 1975) 399

ANISOTROPIC RESERVOIRS: interference analysis: a case history, **259**, I-1290; *JPT* (Oct. 1975) 1290; discussion, **259**, I-1525; *JPT* (Dec. 1975) 1525

APPRAISAL: *See* Evaluation

AQUIFERS: confined: influence of fractures; study by finite-element method, **259**, II-181; *SPEJ* (Apr. 1975) 181

model: for fissured reservoirs, **259**, II-385; *SPEJ* (Oct. 1975) 385

trapped gas saturation: carbonate formations, **259**, II-149; *SPEJ* (Apr. 1975) 149

ARCTIC: offshore exploratory drilling: icebreaking drillship, *JPT* (Apr. 1975) 433

permafrost: mechanical model for freeze-back pressure behavior, **259**, II-287; *SPEJ* (Aug. 1975) 287

B

BACK-PRESSURE CURVE: gas wells: methods for obtaining stabilization using limited performance data, *JPT* (May 1975) 585

BACKWASH: mixed-media filtration: oily waste waters, *JPT* (Feb. 1975) 157

BARIUM: sulfate: an interpretation of how formed, **259**, I-1515; *JPT* (Dec. 1975) 1515

crystal growth and dissolution, **259**, II-509; *SPEJ* (Dec. 1975) 509

BAY MARCHAND AREA: emulsion upsets: factors causing in surface facilities following acid stimulation, *JPT* (Sept. 1975) 1060

BELL CREEK FIELD: *See* Montana

BENTONITE: effect of sea water in well cementing, *JPT* (June 1975) 759

BIDDING: determining optimum bid fraction, *JPT* (Mar. 1975) 349

BITS: coring in deep water for scientific purposes, *JPT* (Aug. 1975) 925

diamond: drilling at Altamont field, Utah, *JPT* (June 1975) 785

drilling: manufactured diamond cutters used, *JPT* (May 1975) 543

performance: factors affecting control of borehole angle in straight and directional wells, *JPT* (June 1975) 679

BLOWOUTS: gas kicks: factors affecting bubble-rise velocity, *JPT* (May 1975) 571

BOLIVAR COAST FIELDS: *See* Venezuela

BOREHOLES: control of angle: factors affecting in straight and directional wells, *JPT* (June 1975) 679

BORREGOS FIELD: *See* Texas

BOTTOM WATER DRIVE: miscible flood performance: Intisar "D" field, Libyan Arab Republic, *JPT* (Aug. 1975) 935

BOUNDARY CONDITIONS: petroleum reservoir: estimation of location, *SPEJ* (Feb. 1975) 19

two intersecting boundaries: pressure transient analysis in presence of, **259**, I-89; *JPT* (Jan. 1975) 89

BOUNDED RESERVOIRS: pressure-buildup tests: an investigation, **259**, I-991; *JPT* (Aug. 1975) 991

BRADFORD FIELD: *See* Pennsylvania

BREA FIELD: *See* California

BREAKWATERS: floating type: wave tank study, *JPT* (Mar. 1975) 269

BRENT FIELD: *See* North Sea

BRIDGING: gravel packing: thin sections and permeability studies call for smaller gravels, *JPT* (Jan. 1975) 107

BUCKLEY-LEVERETT: problem: numerical reservoir simulation using an ordinary-differential-equations simulator, **259**, II-255; *SPEJ* (June 1975) 255

C

CADDO-PINE ISLAND FIELD: *See* Louisiana

CALIFORNIA: Brea field: steamflood heater scale and corrosion, *JPT* (Feb. 1975) 171

Coalinga field: steamflood heater scale and corrosion, *JPT* (Feb. 1975) 171

Kern River field: numerical simulation of steam displacement, *JPT* (June 1975) 765

performance of steam displacement, **259**, I-997; *JPT* (Aug. 1975) 997

steamflood heater scale and corrosion, *JPT* (Feb. 1975) 171

Ten-pattern steamflood, **259**, I-1505; *JPT* (Dec. 1975) 1505

utilization of Waxman-Smits equations determining oil saturation in a low-salinity shaly sand reservoir, *JPT* (Oct. 1975) 1204

Midway Sunset field: resteaming time determination; case history of a steamsoak well, *JPT* (June 1975) 665

Rio Bravo field: history, *JPT* (Feb. 1975) 145

San Ardo field: removal of sulfur dioxide emissions by scrub-

bing with oilfield-produced water, *JPT* (Feb. 1975) 227
San Miguelito field: case study of thief zones in a waterflood, **259**, I-1385; *JPT* (Nov. 1975) 1385
sandstone: physical and chemical changes during acidizing; new model of, *SPEJ* (Oct. 1975) 361
solids control: weighted drilling fluids, *JPT* (Sept. 1975) 1141
South Belridge field: steam injection into the D and E zone, Tulare formation, *JPT* (Mar. 1975) 343
Ten Section field: method for determining reservoir fluid saturations using field production data, *SPEJ* (Dec. 1975) 477
Ventura field: oil-coating process; stabilizing clays in fresh waterflooding operations, *JPT* (Sept. 1975) 1053; discussion, 1058
Yorba Linda field: steamflood heater scale and corrosion, *JPT* (Feb. 1975) 171
CANADA: Pembina field: performance of a miscible flood in the Bear Lake Cardium Unit, *JPT* (June 1975) 672
solids control: weighted drilling fluids, *JPT* (Sept. 1975) 1141
CAPACITY: carrying: design of muds, **259**, I-893; *JPT* (July 1975) 893
storage: laboratory study of effects of confining pressure in carbonate rocks, *JPT* (Jan. 1975) 21
CAPILLARY PRESSURE: porous media: effect in a multilayer model, *SPEJ* (Dec. 1975) 467
CARBON DIOXIDE: miscible flooding methods: effect of water injection, *SPEJ* (June 1975) 217
removal: vapor-liquid equilibrium ratios of gases and light hydrocarbons in methyl cyanoacetate, *SPEJ* (Feb. 1975) 7
supercritical: effect on construction materials, *SPEJ* (June 1975) 227
CARBONATE: calcium: conductometric measurement of mineral scale precipitation, *JPT* (July 1975) 827
CARBONATE ROCKS: *See also* Limestone
acidized: analysis of pulsed-neutron decay-time logs, *SPEJ* (Dec. 1975) 453
effects of confining pressure on fracture flow and storage pressure: laboratory study, *JPT* (Jan. 1975) 21
trapped-gas saturations, **259**, II-149; *SPEJ* (Apr. 1975) 149
CASE HISTORIES: *See* Field Case History
CASING: design: permafrost freeze-back; pressure behavior, *JPT* (Aug. 1975) 949
wear: optimum means of protecting, *JPT* (Feb. 1975) 246
prediction and control of, *JPT* (Feb. 1975) 233; discussion, 243
CAUSTIC: solution: and crude oil; study of interfacial tension, **259**, II-197; *SPEJ* (June 1975) 197
CEMENTATION: laboratory studies: electroless nickel sand consolidation, *SPEJ* (June 1975) 203
CEMENTING: non-Newtonian displacement in parallel plate and narrow gap annuli: analytical study, **259**, II-169; *SPEJ* (Apr. 1975) 169
well: use of sea water, *JPT* (June 1975) 759
CHARGES: single: explosively created permeability from, **259**, II-495; *SPEJ* (Dec. 1975) 495
CHEMICALS: characteristics: subsurface waters; tool for petroleum exploration, *SPEJ* (Feb. 1975) 50
permeability reduction with: new approach, *JPT* (May 1975) 592
CHLORINE LOGGING: shale-compensate chlorine log, *JPT* (Feb. 1975) 164
CHROMATOGRAPHY: gas: surface-area measurement of geologic materials, *SPEJ* (Apr. 1975) 111
CLAYS: dissolution: by in-situ self-generating mud acid, *JPT* (Oct. 1975) 1199
effect on soluble oil flooding, *JPT* (Feb. 1975) 179
stabilization: in fresh waterflooding operations, an oil-coating process, *JPT* (Sept. 1975) 1053; discussion, 1058
COAL: gasification: underground; mathematical modeling of stream method, **259**, II-425; *SPEJ* (Oct. 1975) 425
underground combustion: field test, *JPT* (Jan. 1975) 35
COALINGA FIELD: *See* California
COATINGS: metal-plating process: for sand consolidation, *SPEJ* (June 1975) 209
oil: process to stabilize clays in fresh waterflooding operations, *JPT* (Sept. 1975) 1053; discussion, 1058
COEFFICIENT: caustic: crude oils; interfacial tension studies, **259**, II-197; *SPEJ* (June 1975) 197
sensitivity: history matching oil displacement processes, *SPEJ* (Feb. 1975) 39
COLORADO: field test: manufactured diamond cutters used in drilling bits, *JPT* (May 1975) 543
Green River oil shales: thermal conductivity and diffusivity, **259**, I-97; *JPT* (Jan. 1975) 97
COMBUSTION: *See also* Underground Combustion
wet: size of steam zone, *SPEJ* (Feb. 1975) 13
COMBUSTION DRIVE: *See* Thermal Recovery of Oil
COMPLETION: *See* Well Completion
COMPLETION PRACTICE: *See* Well Completion
COMPRESSIBILITY: rock: core analysis of unconsolidated and friable sands, *JPT* (Dec. 1975) 1423
COMPUTERS: analysis: drillstrings; factors affecting control of borehole angle, *JPT* (June 1975) 679
model: volumetric balance; Conroe field, Texas, *JPT* (July 1975) 813
program: determining optimum bid fraction, *JPT* (Mar. 1975) 349
evaluation of semisubmersible drilling vessels, *JPT* (Apr. 1975) 422
non-Darcy transient radial gas flow; porous media, **259**, II-129; *SPEJ* (Apr. 1975) 129
pulse-testing response; for unequal pulse and shut-in periods, **259**, II-399; *SPEJ* (Oct. 1975) 399
symbols: for economics, **259**, II-517; *JPT* (Oct. 1975) 1262
for well logging and formation evaluation, **259**, I-1247; *JPT* (Oct. 1975) 1247
CONDUCTIVITY: electrolyte: measurement of carbonate scale deposition and scale inhibitor effectiveness, *JPT* (July 1975) 827
fracture: effect of fracturing fluids, **259**, I-1273; *JPT* (Oct. 1975) 1273
new method of increasing, *JPT* (Nov. 1975) 1319
infinite: approximate solution for partially penetrating line-source well, **259**, II-140; *SPEJ* (Apr. 1975) 140
fractured wells; applied pressure analysis, **259**, I-887; *JPT* (July 1975) 887
thermal: Green River oil shales, **259**, I-97; *JPT* (Jan. 1975) 97
CONDUITS: *See* Tubing
CONING: *See* Water Coning
CONROE FIELD: *See* Texas
CONTROL: borehole angle: factors affecting in straight and directional wells, *JPT* (June 1975) 679
casing wear, *JPT* (Feb. 1975) 233; discussion, 243
numerical dispersion: new pseudo functions, *SPEJ* (Aug. 1975) 269
solids: weighted drilling fluids, *JPT* (Sept. 1975) 1141
CONTROL THEORY: optimal: practical applications to history-matching multiphase simulator models, **259**, II-347; *SPEJ* (Aug. 1975) 347
CONVECTION: diffusion equation: high-accuracy finite-difference technique for treating, *SPEJ* (Dec. 1975) 517
CORE ANALYSIS: sands: unconsolidated and friable, *JPT* (Dec. 1975) 1423
CORES: permeability reduction: new chemical approach, *JPT* (May 1975) 592
CORING: deep-water: for scientific purposes, *JPT* (Aug. 1975) 925
CORRELATIONS: conductometric scaling tests and field data: carbonate scale deposition and scale inhibitor effectiveness, *JPT* (July 1975) 827
degradation based on viscoelastic fluid model: partially hydrolyzed polyacrylamide solutions, **259**, II-311; *SPEJ* (Aug. 1975) 311
electric-log-indicated temperature with actual reservoir temperature: southwest Louisiana, *JPT* (Feb. 1975) 181
in-situ strength with dynamic elastic moduli: mechanical-properties log, *JPT* (Mar. 1975) 283
interfacial tension with crude oil properties: study of caustic solution, **259**, II-197; *SPEJ* (June 1975) 197
liquid-holdup: and friction-factor; comparison for gas-liquid flow, *JPT* (May 1975) 564
horizontal gas-liquid flow, **259**, I-1017; *JPT* (Aug. 1975) 1017
orifice capacity versus set of dynamic conditions: down-hole safety valves, *JPT* (Sept. 1975) 1145
reservoir properties versus matrix acid stimulation: sandstones, **259**, I-633; *JPT* (May 1975) 633

viscosity: estimating for crude oil systems, *JPT* (Sept. 1975) 1140
CORROSION: heater: steamflood, *JPT* (Feb. 1975) 171
sour oil and gas: Jay field, Florida, *JPT* (June 1975) 701
weld metal: effect of supercritical carbon dioxide on construction materials, *SPEJ* (June 1975) 227
COST: of capital: using multiple cutoff rates for capital investment, *JPT* (July 1975) 822
COTTON VALLEY FIELD: *See* California
CRUDE OILS: caustic solution mixtures: study of interfacial tension, **259**, II-197; *SPEJ* (June 1975) 197
systems: estimating the viscosity, *JPT* (Sept. 1975) 1140
CRYSTAL: growth: barium sulfate, **259**, II-509; *SPEJ* (Dec. 1975) 509
CUTOFF RATES: multiple: using for capital investment, *JPT* (July 1975) 823

D

DATA: collection: injection-well testing to optimize waterflood performance, *JPT* (Nov. 1975) 1337
field: production; method for determining reservoir fluid saturations, *SPEJ* (Dec. 1975) 477
water cut or gas cut; predicting displacement efficiency, *JPT* (Aug. 1975) 944
gathering systems: determination of dynamic characteristics of offshore platforms from random vibrations, **259**, II-502; *SPEJ* (Dec. 1975) 502
DELIVERABILITY: gas wells: characterization from one flow-test sequence, **259**, I-1500; *JPT* (Dec. 1975) 1500
DELTA AREA: emulsion upsets: factors causing in surface facilities following acid stimulation, *JPT* (Sept. 1975) 1060
DESIGN: bits: improving performance by using high rotary speeds and high bit weights; diamond drilling, *JPT* (June 1975) 785
criteria: Gulf of Mexico hurricane wave heights, **259**, I-1160; *JPT* (Sept. 1975) 1160
platforms and pipelines; soil movements and forces developed by wave-induced slides in Mississippi delta, *JPT* (Apr. 1975) 500
drilling vessels: semisubmersible, *JPT* (Apr. 1975) 422
drillship: icebreaking type for offshore exploratory drilling in the arctic, *JPT* (Apr. 1975) 433
instrument: influence on neutron lifetime measurements, **259**, II-161; *SPEJ* (Apr. 1975) 161
mixed-media filter system, *JPT* (Feb. 1975) 157
objectives: repair and connection of offshore pipelines; water depth to 3,000 feet, *JPT* (Apr. 1975) 415
offshore gas pipelines accounting: two-phase flow, **259**, I-366; *JPT* (Mar. 1975) 366; discussion, **259**, I-648; *JPT* (May 1975) 648
variables: offshore platform steel selection, *JPT* (Mar. 1975) 274
DEVELOPMENT: planning: Brent field, North Sea, *JPT* (Oct. 1975) 1190
DIAMOND: bits: design; manufactured diamond cutters used, *JPT* (May 1975) 543
drilling at Altamont field, Utah, *JPT* (June 1975) 785
DIFFUSION: convection equation: high-accuracy finite-difference technique for treating, *SPEJ* (Dec. 1975) 517
DIFFUSIVITY: Green River oil shales: Colorado and Utah, **259**, I-97; *JPT* (Jan. 1975) 97
DIP: down-dip waterflooding: oil reservoir having a gas cap, **259**, I-1005; *JPT* (Aug. 1975) 1005
DIRECTIONAL WELLS: control of borehole angle: factors affecting, *JPT* (June 1975) 679
unsteady-state pressure distribution created by, **259**, I-1392; *JPT* (Nov. 1975) 1392
DISPERSION: numerical: new pseudo functions to control, *SPEJ* (Aug. 1975) 269
DISPLACEMENT: *See* various types of displacement
DISPLACEMENT EFFICIENCY: predicting from water-cut or gas-cut field data, *JPT* (Aug. 1975) 944
DISPLACEMENT MECHANISM: down-dip waterflooding: oil reservoir having a gas cap, **259**, I-1005; *JPT* (Aug. 1975) 1005
laminar: non-Newtonian fluids in parallel plate and narrow gap annular geometries, **259**, II-169; *SPEJ* (Apr. 1975) 169
microemulsion flooding: laboratory study, **259**, II-87; *SPEJ* (Feb. 1975) 87; discussion, 100
sandstones: effect of temperature on relative and absolute permeability, *SPEJ* (Oct. 1975) 376
sensitivity coefficients: history matching oil displacement processes, *SPEJ* (Feb. 1975) 39
steam: numerical simulation; field performance applications, *JPT* (June 1975) 765
DISTRIBUTION: directional: acoustic velocity in a petroleum reservoir, *SPEJ* (June 1975) 234
DOG LEGS: casing wear: prediction and control, *JPT* (Feb. 1975) 233; discussion, 243
DRAINAGE: rectangular: investigation of pressure-buildup tests in bounded reservoirs, **259**, I-991; *JPT* (Aug. 1975) 991
square region: applied pressure analysis for fractured wells, **259**, I-887; *JPT* (July 1975) 887
DRAWDOWN TESTS: gas well: characterization from one flow-test sequence, **259**, I-1500; *JPT* (Dec. 1975) 1500
DRIFTING FORCES: mean and low frequency: irregular waves: phenomena associated with vessels moored at sea, **259**, II-487; *SPEJ* (Dec. 1975) 487
DRILL BIT: *See* Bits and Drilling: bits
DRILL PIPE: performance: deep-water coring for scientific purposes, *JPT* (Aug. 1975) 925
tool joints: optimum means of protecting against wear, *JPT* (Feb. 1975) 246
DRILLING: *See also* Offshore Drilling
arctic: mechanical model for permafrost freeze-back pressure behavior, **259**, II-287; *SPEJ* (Aug. 1975) 287
bits: manufactured diamond cutters used, *JPT* (May 1975) 543
diamond: Altamont field, Utah, *JPT* (June 1975) 785
directional wells: unsteady-state pressure distribution created by, **259**, I-1392; *JPT* (Nov. 1975) 1392
exploratory: offshore; icebreaking drillship for arctic, *JPT* (Apr. 1975) 433
straight and directional wells: factor affecting control of borehole angle, *JPT* (June 1975) 679
vessels: evaluation of semisubmersible type, *JPT* (Apr. 1975) 422
DRILLING FLUIDS: bubble-rise velocity: factors affecting in gas kicks, *JPT* (May 1975) 571
design for carrying capacity, **259**, I-893; *JPT* (July 1975) 893
weighted: solids control, *JPT* (Sept. 1975) 1141
weighting material: new, nondamaging, acid-soluble, *JPT* (Jan. 1975) 15
DYNAMICS: response: offshore platforms; deterministic fatigue analysis, **259**, I-901; *JPT* (July 1975) 901

E

ECONOMICS: capital investment: using multiple cutoff rates, *JPT* (July 1975) 822
gas recovery improvement: Gray sand reservoir, Cotton Valley field, Louisiana, *JPT* (Jan. 1975) 28
investment evaluation: under conditions of inflation, *JPT* (Oct. 1975) 1183
letter and computer symbols, **259**, II-517; *JPT* (Oct. 1975) 1262
offshore: bidding; determining optimum bid fraction, *JPT* (Mar. 1975) 349
operations; specifications for oceanographic/meteorological studies, **259**, I-523; *JPT* (Apr. 1975) 523
steel selection for structures, *JPT* (Mar. 1975) 274
restraints: U.S. energy supply and demand, *JPT* (July 1975) 803
EFFICIENCY: displacement: non-Newtonian fluids in parallel plate and narrow gap annular geometries, **259**, II-169; *SPEJ* (Apr. 1975) 169
gas flow: offshore pipelines accounting; design for two-phase flow, **259**, I-366; *JPT* (Mar. 1975) 366; discussion, **259**, I-648; *JPT* (May 1975) 648
ELECTRIC LOGGING: *See* Well Logging
EMISSIONS: sulfur dioxide: removal by scrubbing with oilfield-produced water, *JPT* (Feb. 1975) 227
EMULSIONS: upsets: factors causing in surface facilities following acid stimulation, *JPT* (Sept. 1975) 1060
ENERGY: U.S.: supply and demand economic restraints, *JPT* (July 1975) 803
ENVIRONMENT: arctic: icebreaking drillship for offshore ex-

ploratory drilling, *JPT* (Apr. 1975) 433
Hurricane Camille: failure of South Pass 70 platform B, *JPT* (Mar. 1975) 263
offshore operations: specifications for oceanographic/meteorological studies, **259**, I-523; *JPT* (Apr. 1975) 523
sour oil treating facilities: considerations in development; Jay field, Florida, *JPT* (June 1975) 701
sulfur dioxide emission control: removal by scrubbing with oilfield-produced water, *JPT* (Feb. 1975) 227
EQUILIBRIUM RATIOS: vapor-liquid: gases and light hydrocarbons in methyl cyanoacetate, *SPEJ* (Feb. 1975) 7
EQUIPMENT: *See also* names of various types
beam pumping units: computing gearbox torque and motor loading with consideration of inertia effects, **259**, I-1153; *JPT* (Sept. 1975) 1153
bits: diamond; drilling at Altamont field, Utah, *JPT* (June 1975) 785
casing: and drillpipe tool joints; optimum means of protecting against wear, *JPT* (Feb. 1975) 246
prediction and control of wear, *JPT* (Feb. 1975) 233; discussion, 243
floating breakwaters: wave tank study, *JPT* (Mar. 1975) 269
Lockheed's subsea production systems: safety characteristics, *JPT* (Apr. 1975) 427
microwave generator: attenuation, a new tool for monitoring saturations in laboratory flooding experiments, **259**, II-302; *SPEJ* (Aug. 1975) 302; discussion, 309
steam generators: SO_2 emission control by scrubbing with oilfield-produced water, *JPT* (Feb. 1975) 227
submersible pipeline repair tool; water depths to 3,000 feet, *JPT* (Apr. 1975) 415
valves: down-hole safety; determining multiphase pressure drops and flow capacities, *JPT* (Sept. 1975) 1145
wireline formation tester: advancements in uncased-hole techniques, *JPT* (Nov. 1975) 1331
EVALUATIONS: *See also* Field Case Histories, Field Tests, Formation Evaluation, and Laboratory studies
critical: holdup prediction methods for gas-liquid flow in horizontal pipes, **259**, I-1017; *JPT* (Aug. 1975) 1017
drilling vessels: semisubmersible, *JPT* (Apr. 1975) 422
economic: specifications for oceanographic/meteorological studies for offshore operations, **259**, I-523; *JPT* (Apr. 1975) 523
filtration: of polymer solutions, *JPT* (Oct. 1975) 1271
investments: under conditions of inflation, *JPT* (Oct. 1975) 1183
welded pipeline: effect of supercritical carbon dioxide on construction materials, *SPEJ* (June 1975) 227
EXPLORATION: offshore drilling: icebreaking drillship for the arctic, *JPT* (Apr. 1975) 433
petroleum: subsurface water as secondary tool, *SPEJ* (Feb. 1975) 50
EXTRACTION: in situ: permeability explosively created from single charges, **259**, II-495; *SPEJ* Dec. 1975) 495

F

FATIQUE: analysis: offshore platforms, **259**, I-901; *JPT* (July 1975) 901
offshore structure: steel selection, *JPT* (Mar. 1975) 274
FIELD APPLICATIONS: *See* Field Tests
FIELD CASE HISTORY: *See also* Field Tests
Bell Creek field, Montana: review of performance, *JPT* (Dec. 1975) 1443
California waterflood: case study of thief zones, **259**, I-1385; *JPT* (Nov. 1975) 1385
Conroe field, Texas: study of fluid movement, *JPT* (July 1975) 813
interference analysis: anisotropic formations, **259**, I-1290; *JPT* (Oct. 1975) 1290; discussion, **259**, I-1525; *JPT* (Dec. 1975) 1525
Intisar "D" field, Libyan Arab Republic: miscible flood performance, *JPT* (Aug. 1975) 935
Kern River field, California: performance of steam displacement, **259**, I-997; *JPT* (Aug. 1975) 997
Ten-pattern steamflood, **259**, I-1505; *JPT* (Dec. 1975) 1505
Midway Sunset field, California: steam-soak well; resteaming time determinations, *JPT* (June 1975) 665
Miga field, Eastern Venezuela: fireflood of P_{2-3} sand reservoir, *JPT* (Jan. 1975) 9
Rio Bravo field, California, *JPT* (Feb. 1975) 145
FIELD TESTS: *See also* Evaluation
acoustic velocity: directional distribution in a petroleum reservoir, *SPEJ* (June 1975) 234
carrying capacity: design of drilling fluids, **259**, I-893; *JPT* (July 1975) 893
chlorine log: shale-compensated type, *JPT* (Feb. 1975) 164
core analysis: unconsolidated and friable sands, *JPT* (Dec. 1975) 1423
down-hole safety valves: determining multiphase pressure drops and flow capacities, *JPT* (Sept. 1975) 1145
drilling bits: manufactured diamond cutters used, *JPT* (May 1975) 543
emulsion upsets: factors causing in surface facilities following acid stimulation, *JPT* (Sept. 1975) 1060
fractures: conductivity; new method of increasing and improving stimulation results, *JPT* (Nov. 1975) 1319
multiple, vertical from an inclined wellbore, **259**, I-641; *JPT* (May 1975) 641
gas kicks: factors affecting bubble-rise velocity through drilling fluids in annulus, *JPT* (May 1975) 571
gas well: characterization from one flow-test sequence, **259**, I-1500; *JPT* (Dec. 1975) 1500
mixed-media filtration: oily waste waters, *JPT* (Feb. 1975) 157
oil-coating process: stabilizing clays in fresh waterflooding operations, *JPT* (Sept. 1975) 1053; discussion, 1058
performance of a miscible flood: Bear Lake Cardium Unit, Pembina field, Alberta, Canada, *JPT* (June 1975) 672
polysaccharide derivatives: provide high viscosity and low friction at low surface fluid temperatures, *JPT* (Sept. 1967) 1067
pressure grouting: an improved method for offshore structure grouting, *JPT* (Apr. 1975) 495
pressure transient analysis: in presence of two intersecting boundaries, **259**, I-89; *JPT* (Jan. 1975) 89
Prudhoe Bay field, Alaska: data on permafrost freeze-back; pressure behavior, *JPT* (Aug. 1975) 949
pulse testing: determination of compass orientation and length of hydraulic fractures, *JPT* (Dec. 1975) 1433
reservoir properties: determining average from gathering-line transient analysis for a multiwell reservoir, *JPT* (July 1975) 835
solids control: weighted drilling fluids, *JPT* (Sept. 1975) 1141
static formation temperature: from well logs by an empirical method, *JPT* (Nov. 1975) 1326
steam displacement: Kern River field, California, *JPT* (June 1975) 765
steamflood heater scale and corrosion, *JPT* (Feb. 1975) 171
surfactant pilot test: Borregos field, Texas, *JPT* (June 1975) 695
underground coal gasification: mathematical modeling of stream method, **259**, II-425; *SPEJ* (Oct. 1975) 425
underground combustion of coal, *JPT* (Jan. 1975) 35
wireline formation tester: advancements in uncased-hole techniques, *JPT* (Nov. 1975) 1331
FIELDS: *See* specific names
FILTRATION: mixed-media: oily waste waters, *JPT* (Feb. 1975) 157
of polymer solutions, *JPT* (Oct. 1975) 1271
FINANCING: *See* Economics and Investments
FINITE-DIFFERENCE METHOD: for treating convection-diffusion equation: high accuracy, *SPEJ* (Dec. 1975) 517
FINITE-ELEMENT METHOD: study of influence of fractures: confined aquifers, **259**, II-181; *SPEJ* (Apr. 1975) 181
FIREFLOOD: *See* Thermal Recovery of Oil
FLORIDA: Jay field: producing sour oil and gas, *JPT* (June 1975) 701
FLOW CAPACITY: valves: down-hole safety, *JPT* (Sept. 1975) 1145
FLOW TESTS: Forchheimer-type equation: method for determining the exponent value, *JPT* (July 1975) 883
two-phase pressure-loss calculations: practical aspects of predicting errors, *JPT* (Apr. 1975) 515
FLUID FLOW: *See also* specific applications such as Gas Injection, Miscible Displacement, and Waterflooding
FLUID FLOW: capacities: determining in down-hole safety valves, *JPT* (Sept. 1975) 1145

carbonate rocks: laboratory study of effects of confining pressure on fracture flow and storage capacity, *JPT* (Jan. 1975) 21
confined aquifers: influence of fractures; study by finite element method, **259**, II-181; *SPEJ* (Apr. 1975) 181
limited entry flow tests: determining vertical permeability in thick formations, **259**, II-65; *SPEJ* (Feb. 1975) 65
Forchheimer-type equation: method for determining the exponent value, *JPT* (July 1975) 883
forecasting flow rates: relatively tight gas wells using limited performance data, *JPT* (May 1975) 585
gas-liquid: comparison of liquid-holdup and friction-factor correlations, *JPT* (May 1975) 564
horizontal pipes; critical evaluation of holdup prediction methods, **259**, I-1017; *JPT* (Aug. 1975) 1017
gas well: characterization from one flow-test sequence, **259**, I-1500; *JPT* (Dec. 1975) 1500
porous media: effect of capillary pressure in a multilayer model, *SPEJ* (Dec. 1975) 467
two-phase: design of offshore gas pipelines accounting, **259**, I-366; *JPT* (Mar. 1975) 366; discussion, **259**, I-648; *JPT* (May 1975) 648
pressure-loss calculations; practical aspects of predicting errors, *JPT* (Apr. 1975) 515
FLUID INJECTION: *See* Gas Injection, Miscible Displacement, Slug Process, Thermal Recovery of Oil, and Waterflooding
FLUID MECHANISMS: linear displacement: non-Newtonian fluids in parallel plate and narrow gap annular geometries, **259**, II-169; *SPEJ* (Apr. 1975) 169
Ten-pattern steamflood: Kern River field, California, **259**, I-1505; *JPT* (Dec. 1975) 1505
FLUID PROPERTIES: *See* specific property
FLUID SATURATION: geothermal reservoirs: analysis of internal steam drive, **259**, I-1493; *JPT* (Dec. 1975) 1493
reservoir: method for determining using field production data, *SPEJ* (Dec. 1975) 477
FORMATION DAMAGE: reduction: with new, nondamaging, acid-soluble weighting material, *JPT* (Jan. 1975) 15
with or without: productivity of perforated completions, **259**, I-1027; *JPT* (Aug. 1975) 1027
FORMATION EVALUATION: *See also* Core Analysis, Drawdown Tests, Pressure Buildup, Pressure Drawdown and Well Logging
bounded reservoirs: an investigation of pressure-buildup tests, **259**, I-991; *JPT* (Aug. 1975) 991
compass orientation and length of hydraulic fractures: determination by pulse testing, *JPT* (Dec. 1975) 1433
chlorine log: results of shale-compensated type, *JPT* (Feb. 1975) 164
correlation: electric-log-indicated reservoir temperature with actual reservoir temperature; southwest Louisiana, *JPT* (Feb. 1975) 181
mechanical-properties log for estimation of formation strength, *JPT* (Mar. 1975) 283
neutron lifetime measurements: influence of instrument design, **259**, II-161; *SPEJ* (Apr. 1975) 161
oil saturation: determining in a low-salinity, shaly sand reservoir; utilization of Waxman-Smits equations, *JPT* (Oct. 1975) 1204
static formation temperature: from well logs by empirical method, *JPT* (Nov. 1975) 1326
symbols: letter and computer, **259**, II-517; *JPT* (Oct. 1975) 1247
FORMATION FRACTURES: acid penetration distance: new method for predicting, *SPEJ* (Aug. 1975) 277
carbonate rocks: laboratory study of effects of confining pressure, *JPT* (Jan. 1975) 21
conductivity: effect of fracturing fluids, **259**, I-1273; *JPT* (Oct. 1975) 1273
new method of increasing, *JPT* (Nov. 1975) 1319
compass orientation and length: determination by pulse testing, *JPT* (Dec. 1975) 1433
fissured reservoir: aquifer model for, **259**, II-385; *SPEJ* (Oct. 1975) 385
horizontal vs vertical: applied pressure analysis for fractured wells, **259**, I-887; *JPT* (July 1975) 887
hydraulic induced: pressure response in adjacent wells in petroleum reservoirs, *JPT* (Aug. 1975) 951
influence in confined aquifers: study by finite-element method, **259**, II-181; *SPEJ* (Apr. 1975) 181
multiple, vertical: from inclined wellbore; a field experiment, **259**, I-641; *JPT* (May 1975) 641
naturally fractured reservoirs: oil recovery with water influx, *JPT* (Dec. 1975) 1526
FORMATION FRACTURING: gas wells: liquid removal from, *JPT* (Nov. 1975) 1309
thief zones: case study in a California waterflood, **259**, I-1385; *JPT* (Nov. 1975) 1385
FORMATION TESTER: wireline: advancements in uncased hole techniques, *JPT* (Nov. 1975) 1331
FRACTURED RESERVOIRS OR FRACTURING: *See* Formation Fractures and Formation Fracturing
FRACTURES: *See* Formation Fractures
FRACTURING FLUIDS: hydraulic: effect on fracture conductivity, **259**, I-1273; *JPT* (Oct. 1975) 1273
polysaccharide derivatives: provide high viscosity and low friction at low surface fluid temperatures, *JPT* (Sept. 1975) 1067
FRICTION: factor: comparison with liquid-holdup correlations for gas-liquid flow, *JPT* (May 1975) 564
low: provided by polysaccharide derivatives at low surface fluid temperatures, *JPT* (Sept. 1975) 1067
FREQUENCY: low: phenomena associated with vessels moored at sea, **259**, II-487; *SPEJ* (Dec. 1975) 487
FUNCTIONS: pseudo: to control numerical dispersion, *SPEJ* (Aug. 1975) 269

G

GAS-CAP DRIVE: Conroe field, Texas: study of fluid movement, *JPT* (July 1975) 813
oil reservoir: down-dip waterflooding, **259**, I-1005; *JPT* (Aug. 1975) 1005
GAS EVOLUTION: reservoir undergoing: reservoir simulator for studying productivity variation and transient behavior of a well, **259**, I-1337; *JPT* (Nov. 1975) 1337
GAS FIELDS: volume in place: estimating with a regression approach, **259**, I-1283; *JPT* (Oct. 1975) 1283
GAS INJECTION: miscible flood performance: Intisar "D" field, Libyan Arab Republic, *JPT* (Aug. 1975) 935
Rio Bravo field, California: history, *JPT* (Feb. 1975) 145
GAS KICKS: factors affecting bubble-rise velocity through drilling fluids in annulus, *JPT* (May 1975) 571
GAS-LIQUID FLOW: horizontal pipes: critical evaluation of holdup prediction methods, **259**, I-1017; *JPT* (Aug. 1975) 1017
GAS PERCOLATION: problem: numerical reservoir simulation using an ordinary-differential-equations integrator, **259**, II-255; *SPEJ* (June 1975) 255
GAS PRODUCTION: from coal: field test of underground combustion, *JPT* (Jan. 1975) 35
GAS RECOVERY: Gray sand reservoir, Cotton Valley field, Louisiana: improvement study, *JPT* (Jan. 1975) 29
GAS RESERVOIR: multiwells: determining average reservoir properties from gathering-line transient analysis, *JPT* (July 1975) 835
GAS SATURATION: trapped: carbonate formations, **259**, II-149; *SPEJ* (Apr. 1975) 149
GAS WELLS: analysis procedure: variable-rate pressure drawdown data, *JPT* (Jan. 1975) 115
deliverability: characterization from one flow-test sequence, **259**, I-1500; *JPT* (Dec. 1975) 1500
hydraulically fractured: liquid removal from, *JPT* (Nov. 1975) 1309
tight: predicting reserves and forecasting flow rates using limited performance data, *JPT* (May 1975) 585
GASES: *See also* Natural Gas
and light hydrocarbons in methyl cyanoacetate: vapor-liquid equilibrium ratios, *SPEJ* (Feb. 1975) 7
liquid flow: comparison of liquid-holdup and friction-factor correlations, *JPT* (May 1975) 564
flow through porous media: non-Darcy transient radial, **259**, II-129; *SPEJ* (Apr. 1975) 129
GASIFICATION: coal: field test of underground combustion, *JPT* (Jan. 1975) 35

underground; mathematical modeling of stream method, **259**, II-425; *SPEJ* (Oct. 1975) 425
GATHERING SYSTEM: transient analysis: multiwell reservoir; determining average reservoir properties, *JPT* (July 1975) 835
GEOLOGIC STRUCTURES: permeability: explosively created from single charges, **259**, II-495; *SPEJ* (Dec. 1975) 495
GEOLOGICAL STUDY: surface-area measurement, *SPEJ* (Apr. 1975) 111
GEOLOGY: role in reservoir simulation studies, *JPT* (May 1975) 625
GEOTHERMAL GRADIENT: *See* Temperature and Thermal Properties
GEOTHERMAL STEAM: analysis of internal steam drive, **259**, I-1493; *JPT* (Dec. 1975) 1493
GHAWAR FIELD: *See* Saudi Arabia
GRAPHICAL ANALYSIS: oil recovery: from naturally fractured reservoirs with water influx, *JPT* (Dec. 1975) 1526
GRAVEL PACKING: smaller gravels called for: thin-section and permeability studies, *JPT* (Jan. 1975) 107
GRAVITY: oil: estimating the viscosity of crude oil systems, *JPT* (Sept. 1975) 1140
GREEN RIVER OIL SHALES: *See* Colorado and Utah
GROUND BED: subsidence: numerical simulation of oil production, **259**, II-411; *SPEJ* (Oct. 1975) 411
GROUTING: offshore structure: pressure type an improved method, *JPT* (Apr. 1975) 495
GULF COAST: *See also* Louisiana and Texas
Bay Marchand and Delta areas: emulsion upsets; factors causing in surface facilities following acid stimulation, *JPT* (Sept. 1975) 1060
Louisiana: shale-compensated chlorine log results, *JPT* (Feb. 1975) 164
wireline formation tester: advancements in uncased-hole techniques, *JPT* (Nov. 1975) 1331
GULF OF MEXICO: hurricane wave heights, **259**, I-1160; *JPT* (Sept. 1975) 1160
Lockheed's subsea production system: safety characteristics, *JPT* (Apr. 1975) 427
offshore structure grouting: pressure grouting, an improved method, *JPT* (Apr. 1975) 495
workover and recompletion: subsea wells, *JPT* (Apr. 1975) 445
GYPSUM: effect on soluble oil flooding, *JPT* (Feb. 1975) 179

H

HEAT: front: wet combustion; size of steam zone, *SPEJ* (Feb. 1975) 13
HISTORY: matching: estimation of location of the boundary of a petroleum reservoir, *SPEJ* (Feb. 1975) 19
gas recovery improvement study; Gray sand reservoir, Cotton Valley field, Louisiana, *JPT* (Jan. 1975) 28
multiphase simulator models; practical applications of optimal-control theory, **259**, II-347; *SPEJ* (Aug. 1975) 347
oil displacement processes; sensitivity coefficients, *SPEJ* (Feb. 1975) 39
steam displacement; field performance applications, *JPT* (June 1975) 765
use of optimal control theory in single-phase reservoir, **259**, II-74; *SPEJ* (Feb. 1975) 74
Rio Bravo field, California, *JPT* (Feb. 1975) 145
HURRICANES: Camille: failure of South Pass 70 platform B, *JPT* (Mar. 1975) 263
Gulf of Mexico: wave heights, **259**, I-1160; *JPT* (Sept. 1975) 1160
Mississippi delta: soil movements and forces developed by wave-induced slides, *JPT* (Apr. 1975) 500
HYDRATE: formation: denuding hydrocarbon liquids of natural gas constituents, *JPT* (Feb. 1975) 223
HYDROCARBON RECOVERY: *See* Gas Recovery and Oil Recovery
HYDROCARBONS: accumulation: subsurface water offers tool for exploration, *SPEJ* (Feb. 1975) 50
light: and gases in methyl cyanoacetate; vapor-liquid equilibrium ratios, *SPEJ* (Feb. 1975) 7
liquids: denuding of natural gas constituents by hydrate formation, *JPT* (Feb. 1975) 223
miscible flooding methods: effect of water injection, *SPEJ* (June 1975) 217
HYDROCHLORIC ACID: stimulation fluid: guidelines regarding use of alcohols, *JPT* (May 1975) 552
HYDROFLUORIC ACID: acidizing: argillaceous sandstone; thermodynamic and kinetic aspects, *SPEJ* Apr. 1975) 117
self-generating: to dissolve clay from sandstone formations, *JPT* (Oct. 1975) 1199
HYDROGEN SULFIDE: sour oil and gas: Jay field, Florida, *JPT* (June 1975) 701

I

ILLINOIS: Loudon field: role of geology in reservoir simulation studies, *JPT* (May 1975) 625
IMBIBITION: wetting-phase: carbonate formations; trapped-gas saturations existing after gas displacement, **259**, II-149; *SPEJ* (Apr. 1975) 149
INERTIA EFFECTS: beam pumping units: computing gearbox torque and motor loading, **259**, I-1153; *JPT* (Sept. 1975) 1153
INFLATION: in investment evaluation, *JPT* (Oct. 1975) 1183
INHIBITION: scale-forming minerals: conductometric inhibitor evaluation, *JPT* (July 1975) 827
INHIBITORS: scale: crystal growth and dissolution of barium sulfate, **259**, II-509; *SPEJ* (Dec. 1975) 509
INJECTION: *See also* Gas Injection, Miscible Displacement, Slug Process, Thermal Recovery of Oil, and Waterflooding
fireflood of $P_{2\text{-}3}$ sand reservoir: Miga field, Eastern Venezuela, *JPT* (Jan. 1975) 9
steam: into D and E zone, Tulare formation, South Belridge field, Kern County, California, *JPT* (Mar. 1975) 343
water: effect on miscible flooding methods using hydrocarbons and carbon dioxide, *SPEJ* (June 1975) 217
interference analysis for anisotropic formations; a case history, **259**, I-1290; *JPT* (Oct. 1975) 1290; discussion, **259**, I-1525; *JPT* (Dec. 1975) 1525
INJECTION WELLS: testing: thief zones in a California waterflood, **259**, I-1385; *JPT* (Nov. 1975) 1385
to optimize waterflood performance, *JPT* (Nov. 1975) 1337
water: interpretation of temperature profiles, **259**, I-777; *JPT* (June 1975) 777
INJECTIVITY: tests: underground combustion of coal, *JPT* (Jan. 1975) 35
water: oil-coating process to stabilize clays in waterflooding operations, *JPT* (Sept. 1975) 1053
IMMISCIBLE DISPLACEMENT: microemulsion flooding: laboratory study, **259**, II-87; *SPEJ* (Feb. 1975) 87; discussion, 100
IMPROVED RECOVERY: fractures: multiple, vertical from an inclined wellbore; a field experiment, **259**, I-641; *JPT* (May 1975) 641
IN-SITU COMBUSTION: *See* Thermal Recovery of Oil
INSTRUMENTATION: design: influence on neutron lifetime measurements, **259**, II-161; *SPEJ* (Apr. 1975) 161
INTEGRATOR: ordinary-differential-equations: numerical reservoir simulation, **259**, II-255; *SPEJ* (June 1975) 255
INTERFACIAL TENSION: caustic solution-crude oil: laboratory study, **259**, II-197; *SPEJ* (June 1975) 197
influence on residual oil saturation left by waterflood, *SPEJ* (Oct. 1975) 437
INTERFERENCE: analysis: anisotropic formations; a case history, **259**, I-1290; *JPT* (Oct. 1975) 1290; discussion, **259**, I-1525; *JPT* (Dec. 1975) 1525
tests: effect of linear pressure trends, *JPT* (Nov. 1975) 1383
INTERPRETATION: barium sulfate: how formed, **259**, I-1515; *JPT* (Dec. 1975) 1515
chlorine log: shale-compensated type, *JPT* (Feb. 1975) 164
mechanical-properties log: for estimation of formation strength, *JPT* (Mar. 1975) 283
temperature profiles: water-injection wells; **259**, I-777; *JPT* (June 1975) 777
INTISAR "D" FIELD: *See* Libyan Arab Republic
INVESTMENT: capital: using multiple cutoff rates, *JPT* (July 1975) 823
evaluation: under conditions of inflation, *JPT* (Oct. 1975) 1183

IRON CARBONATE: weighting material: new, nondamaging, acid-soluble, *JPT* (Jan. 1975) 15

J

JAY FIELD: *See* Florida

K

K-VALUES: *See* Equilibrium Ratios
KELLY-SNYDER FIELD: *See* Texas
KERN RIVER FIELD: *See* California
KEROGEN: decomposition: effect on thermal conductivity; Green River oil shales, **259**, I-97; *JPT* (Jan. 1975) 97
KINETICS: aspects: argillaceous sandstone acidizing, *SPEJ* (Apr. 1975) 117
crystallization and dissolution: barium sulfate, **259**, II-509; *SPEJ* (Dec. 1975) 509
metal-plating process: for sand consolidation, *SPEJ* (June 1975) 209
KOZENY-CARMAN EQUATION: surface-area measurement: geologic materials, *SPEJ* (Apr. 1975) 111

L

LABORATORY STUDIES: acid fracturing: new method for predicting penetration distance, *SPEJ* (Aug. 1975) 277
acidic stimulation fluids: guidelines regarding the use of alcohols, *JPT* (May 1975) 552
adsorption: effect of mutual solvents in sandstone acidizing, *JPT* (Dec. 1975) 1439
argillaceous sandstone acidizing: thermodynamic and kinetic aspects, *SPEJ* (May 1975) 117
barium sulfate: crystal growth and dissolution, **259**, II-509; *SPEJ* (Dec. 1975) 509
carbonate rocks: effects of confining pressure on fracture flow and storage capacity, *JPT* (Jan. 1975) 21
cementation: and calculated effect on well productivity; electroless nickel sand productivity, **259**, II-203; *SPEJ* (June 1975) 203
construction materials: effect of supercritical carbon dioxide, *SPEJ* (June 1975) 227
core analysis: unconsolidated and friable sands, *JPT* (Dec. 1975) 1423
drilling bits: manufactured diamond cutters used, *JPT* (May 1975) 543
drilling fluids: design for carrying capacity, **259**, I-893; *JPT* (July 1975) 893
emulsion upsets: factors causing in surface facilities following acid stimulation, *JPT* (Sept. 1975) 1060
fracture conductivity: effect on fracturing fluids, **259**, I-1273; *JPT* (Oct. 1975) 1273
gas kicks: factors affecting bubble-rise velocity through drilling fluids in annulus, *JPT* (May 1975) 571
hydrocarbon liquids: denuding of natural gas constituents by hydrate formation, *JPT* (Feb. 1975) 223
influence of fractures in confined aquifers: study by electrolytic tank, **259**, II-181; *SPEJ* (Apr. 1975) 181
interfacial tension: study of caustic solution-crude oil mixtures, **259**, II-197; *SPEJ* (June 1975) 197
microemulsion flooding, **259**, II-85; *SPEJ* (Feb. 1975) 85; discussion, 100
microwave attenuation: new tool for monitoring saturations in flooding experiments, **259**, II-302; *SPEJ* (Aug. 1975) 302; discussion, 309
miscible flooding: effect of water injection using hydrocarbons and carbon dioxide, *SPEJ* (June 1975) 217
mud acid: self-generating; estimating clay dissolving ability, *JPT* (Oct. 1975) 1199
neutron lifetime log: influence of instrument design on measurements, **259**, II-161; *SPEJ* (Apr. 1975) 161
oil-coating process: stabilizing clays in fresh waterflooding operations, *JPT* (Sept. 1975) 1053; discussion, 1058
oil saturation: determining in a low-salinity, shaly sand reservoir; utilization of Waxman-Smits equations, *JPT* (Oct. 1975) 1204
permeability reduction: new chemical approach, *JPT* (May 1975) 592
polymers: filtration of, *JPT* (Oct. 1975) 1271
flood performance; factors influencing, **259**, II-338; *SPEJ* (Aug. 1975) 338
retention; some aspects in porous media using a C^{14}-tagged hydrolyzed polyacrylamide, **259**, II-323; *SPEJ* (Aug. 1975) 323
pressure responses: from induced hydraulic fractures; adjacent wells within a petroleum reservoir, *JPT* (Aug. 1975) 951
residual oil saturation: left by waterflood; influence of fluid viscosity, interfacial tension, and flow velocity, *SPEJ* (Oct. 1975) 437
sand consolidation: a metal-plating process, *SPEJ* (June 1975) 209
sandstones: effect of temperature on relative and absolute permeability, *SPEJ* (Oct. 1975) 376
model of physical and chemical changes during acidizing, *SPEJ* (Oct. 1975) 361
reservoir properties affecting matrix acid stimulation, **259**, I-633; *JPT* (May 1975) 633
shear degradation: partially hydrolyzed polyacrylamide solutions, **259**, II-311; *SPEJ* (Aug. 1975) 311
soluble oil flooding, effect of clays, limestone, and gypsum, *JPT* (Feb. 1975) 179
steam displacement: performance in Kern River field, California, **259**, I-997; *JPT* (Aug. 1975) 997
surface-area measurement: geologic materials, *SPEJ* (Apr. 1975) 111
thermal conductivity and diffusivity: Green River oil shales, Colorado and Utah, **259**, I-97; *JPT* (Jan. 1975) 97
thin-sections and permeabilities: call for smaller gravels in gravel packing, *JPT* (Jan. 1975) 107
trapped-gas saturation: carbonate reservoirs, **259**, II-149; *SPEJ* (Apr. 1975) 149
vapor-liquid equilibrium ratios: gases and light hydrocarbons in methyl cyanoacetate, *SPEJ* (Feb. 1975) 7
water coning: theoretical and experimental, **259**, II-247; *SPEJ* (June 1975) 247
wave tank: floating breakwaters, *JPT* (Mar. 1975) 269
weighting material: new, nondamaging, acid-soluble, *JPT* (Jan. 1975) 15
well cementing: use of sea water, *JPT* (June 1975) 759
LEAST SQUARES: pressure transient analysis: in presence of two intersecting boundaries, **259**, I-89; *JPT* (Jan. 1975) 89
LIBYAN ARAB REPUBLIC: Intisar "D" field: miscible flood performance, *JPT* (Aug. 1975) 935
LIMESTONES: *See also* Carbonate Rocks
effect on soluble oil flooding, *JPT* (Feb. 1975) 179
LIMITED ENTRY: flow tests: determining vertical permeability in thick formations, **259**, II-65; *SPEJ* (Feb. 1975) 65
LIQUIDS: holdup: comparison with friction-factor correlations for gas-liquid flow, *JPT* (May 1975) 564
hydrocarbon: denuding of natural gas constituents by hydrate formation, *JPT* (Feb. 1975) 223
removal: from hydraulically fractured gas wells, *JPT* (Nov. 1975) 1309
LOG INTERPRETATION: *See* Interpretation
LOGGING: *See* Well Logging
LOUDON FIELD: *See* Illinois
LOUISIANA: Caddo-Pine Island field: multiple, vertical fractures from an inclined wellbore; a field experiment, **259**, I-641; *JPT* (May 1975) 641
Cotton Valley field: recovery improvement study of Gray sand reservoir, *JPT* (Feb. 1975) 28
Gulf Coast: field results of shale-compensated chlorine log, *JPT* (Feb. 1975) 164
Gulf of Mexico: hurricane wave heights, **259**, I-1160; *JPT* (Sept. 1975) 1160
workover and recompletion of subsea completions, *JPT* (Apr. 1975) 445
solids control: weighted drilling fluids, *JPT* (Sept. 1975) 1141
South Pass Block 24 and 27 fields: in-situ self-generating mud acid, *JPT* (Oct. 1975) 1199
South Pass Block 70: failure of platform B in Hurricane Camille, *JPT* (Mar. 1975) 263
southwest: correlation of electric-log-indicated reservoir tem-

perature with actual reservoir temperature, *JPT* (Feb. 1975) 181

M

MATERIAL BALANCE: prediction: reserves and flow rates of relatively tight gas wells using limited performance data, *JPT* (May 1975) 585
MATHEMATICAL MODELING: *See* Models: mathematical
MATRIX: acid stimulation: sandstones; reservoir properties affecting, **259**, I-633; *JPT* (May 1975) 633
MEASUREMENT: conductometric: carbonate scale deposition and scale inhibitor effectiveness, *JPT* (July 1975) 827
neutron lifetime: influence of instrument design, **259**, II-161; *SPEJ* (Apr. 1975) 161
surface-area: geologic materials, *SPEJ* (May 1975) 111
MECHANICAL-PROPERTIES LOG: estimation of formation strength, *JPT* (Mar. 1975) 283
METEOROLOGY: studies: specifications for offshore operations, **259**, I-523; *JPT* (Apr. 1975) 523
METHYL CYANOACETATE: gases and light hydrocarbons within: vapor-liquid equilibrium ratios, *SPEJ* (Feb. 1975) 7
MICHIGAN: field test: manufactured diamond cutters used in drilling bits, *JPT* (May 1975) 543
MICROEMULSION: flooding: laboratory study, **259**, II-87; *SPEJ* (Feb. 1975) 87; discussion, 100
MICROWAVE: attenuation: new tool for monitoring saturations in laboratory flooding experiments, **259**, II-302; *SPEJ* (Aug. 1975) 302; discussion, 309
MIDWAY SUNSET FIELD: *See* California
MIGA FIELD: *See* Venezuela
MISCIBLE DISPLACEMENT: effects of water injection: methods using hydrocarbons and carbon dioxide, *SPEJ* (June 1975) 217
flood performance: Bear Lake Cardium Unit, Pembina field, Alberta, Canada, *JPT* (June 1975) 672
Intisar "D" field, Libyan Arab Republic, *JPT* (Aug. 1975) 935
microemulsion flooding: laboratory study, **259**, II-87; *SPEJ* (Feb. 1975) 87; discussion, 100
MISSISSIPPI: delta: soil movements and forces developed by wave-induced slides, *JPT* (Apr. 1975) 500
solids control: weighted drilling fluids, *JPT* (Sept. 1975) 1141
MOBILITY: control: polymer flood; laboratory investigations of factors influencing performance, **259**, II-338; *SPEJ* (Aug. 1975) 338
reduction: after shear degradation; partially hydrolyzed polyacrylamide, **259**, II-311; *SPEJ* (Aug. 1975) 311
MOBILITY RATIO: effect on recovery efficiency: oil displacement processes, *SPEJ* (Feb. 1975) 39
MODELS: aquifer: for fissured reservoirs, **259**, II-385; *SPEJ* (Oct. 1975) 385
regression approach to estimating gas in place for gas fields, **259**, I-1283; *JPT* (Oct. 1975) 1283
areal reservoir: new pseudo functions to control numerical dispersion, *SPEJ* (Aug. 1975) 269
bidding: offshore operations; determining optimum bid fraction, *JPT* (Mar. 1975) 349
compositional reservoir: miscible flood performance of Intisar "D" field, Libyan Arab Republic, *JPT* (Aug. 1975) 935
computer: analyzing field data and displacement mechanism; Pembina field, Alberta, Canada, *JPT* (June 1975) 672
volumetric balance; Conroe field, Texas, *JPT* (July 1975) 813
econometric: economic restraints on supply and demand, *JPT* (July 1975) 803
freeze-back: pressure behavior in permafrost, *JPT* (Aug. 1975) 949
gas flow: and wellbore pipeline simulator; determining average reservor properties from gathering-line transient analysis for multiwell reservoir, *JPT* (July 1975) 835
hindcast: Gulf of Mexico hurricane wave heights, **259**, I-1160; *JPT* (Sept. 1975) 1160
linear: of physical and chemical changes in sandstone during acidizing, *SPEJ* (Oct. 1975) 361
liquid holdup: horizontal gas-liquid flow, **259**, I-1017; *JPT* (Aug. 1975) 1017
mathematical: acid fracturing; new method for predicting acid penetration distance, *SPEJ* (Aug. 1975) 277
argillaceous sandstone acidizing; thermodynamic and kinetic aspects, *SPEJ* (Apr. 1975) 117
computing gearbox torque and motor loading for beam pumping units with consideration of inertia effect, **259**, I-1153; *JPT* (Sept. 1975) 1153
deterministic fatigue analysis; offshore platforms, **259**, I-901; *JPT* (July 1975) 901
development planning of Brent field, North Sea, *JPT* (Oct. 1975) 1190
down-dip waterflooding; oil reservoir having a gas cap, **259**, I-1005; *JPT* (Aug. 1975) 1005
electroless nickel sand consolidation; cementation and calculated effect on well productivity, *SPEJ* (June 1975) 203
history matching by use of optimal control theory, **259**, II-74; *SPEJ* (Feb. 1975) 74
insulated hot oil-producing wells in permafrost, **259**, I-357; *JPT* (Mar. 1975) 357
liquid removal from hydraulically fractured gas wells, *JPT* (Nov. 1975) 1309
non-Darcy transient gas flow; porous media, **259**, II-129; *SPEJ* (Apr. 1975) 129
oil production with simultaneous ground subsidence, **259**, II-411; *SPEJ* (Oct. 1975) 411
pressure transient analysis in presence of two intersecting boundaries, **259**, I-89; *JPT* (Jan. 1975) 89
reservoir simulation using an ordinary-differential-equations integrator, **259**, II-255; *SPEJ* (June 1975) 255
steam displacement, *JPT* (June 1975) 765
stream method of underground coal gasification, **259**, II-425; *SPEJ* (Oct. 1975) 425
vertical permeability from limited entry flow tests in thick formations, **259**, II-65; *SPEJ* (Feb. 1975) 65
water coning, **259**, II-247; *SPEJ* (June 1975) 247
water injection wells; interpretation of temperature profiles, **259**, I-777; *JPT* (June 1975) 777
mechanical: permafrost freeze-back pressure behavior, **259**, II-287; *SPEJ* (Aug. 1975) 287
multilayer: of porous media; effect of capillary pressure, *SPEJ* (Dec. 1975) 467
multiphase simulator: practical application of optimal control theory to history-matching, **259**, II-347; *SPEJ* (Aug. 1975) 347
waterflood performance compared with Dykstra-Parsons, *JPT* (Jan. 1975), 113; discussion, *JPT* (June 1975) 709 and *JPT* (Dec. 1975) 1528
orifice flow: determining multiphase pressure drops and flow capacities in down-hole safety valves, *JPT* (Sept 1975) 1145
porous media: microwave attenuation; new tool for monitoring saturations in laboratory flooding experiments, **259**, II-302; *SPEJ* (Aug. 1975) 302; discussion, 309
power law: effect of temperature and pressure on the viscosity of oil-base muds, *JPT* (July 1975) 884
pricing: using multiple cutoff rates for capital investment, *JPT* (July 1975) 823
propped fracture: new method for providing increased fracture conductivity and improving stimulation results, *JPT* (Nov. 1975) 1319
reservoir simulation studies: role of geology, *JPT* (May 1975) 625
sand pack: some aspects of polymer retention in porous media using a C^{14}-tagged hydrolyzed polyacrylamide, **259**, II-323; *SPEJ* (Aug. 1975) 323
steam displacement performance; Kern River field, California, **259**, I-997; *JPT* (Aug. 1975) 997
theoretical and experimental water coning study, **259**, II-247; *SPEJ* (June 1975) 247
scale: factors affecting bubble-rise velocity of gas kicks, *JPT* (May 1975) 571
transparent; pressure grouting, an improved method for offshore structure grouting, *JPT* (Apr. 1975) 495
single-phase, unsteady-state, two-dimensional: gas recovery improvement study of Gray sand reservoir; Cotton Valley field, Louisiana, *JPT* (Jan. 1975) 28
steam simulator: South Belridge field, California, *JPT* (Mar.

1975) 343
stratified reservoir: laboratory investigations of factors influencing polymer flood performance, **259**, II-338; *SPEJ* (Aug. 1975) 338
wave tank: floating breakwaters, *JPT* (Mar. 1975) 269
MOHOLE: coring in deep water for scientific purposes, *JPT* (Aug. 1975) 925
MONTANA: Bell Creek field: review of performance, *JPT* (Dec. 1975) 1443
MOORINGS: vessels at sea: low-frequency phenomena associated with, **259**, II-487; *SPEJ* (Dec. 1975) 487
MUD ACID: in-situ self-generating process, *JPT* (Oct. 1975) 1199

N

NATURAL GAS: *See also* Gases
acid-gas removal: vapor-liquid equilibrium ratios of gases and light hydrocarbons in methyl cyanoacetate, *SPEJ* (Feb. 1975) 7
constituents: denuding hydrocarbon liquids of by hydrate formation, *JPT* (Feb. 1975) 223
NEUTRON LIFETIME LOGGING: measurements: influence of instrument design, **259**, II-161; *SPEJ* (Apr. 1975) 161
NICKEL: electroless: sand consolidation; laboratory studies of cementation and calculated effect on well productivity, *SPEJ* (June 1975) 203
sand consolidation: metal-plating process, *SPEJ* (June 1975) 209
NITROGEN: adsorption: surface-area measurement of geologic materials, *SPEJ* (Apr. 1975) 111
NOMOGRAPHS: well productivity: perforated completions in formations with or without damage, **259**, I-1027; *JPT* (Aug. 1975) 1027
NON-NEWTONIAN SYSTEMS: laminar displacement: fluids in parallel plate and narrow gap annular geometries, **259**, II-169; *SPEJ* (Apr. 1975) 169
NORTH SEA: Brent field: development planning, *JPT* (Oct. 1975) 1190
NORTH SLOPE: *See* Alaska
NUMERICAL SOLUTIONS: acid penetration: new method for predicting distance, *SPEJ* (Aug. 1975) 277
argillaceous sandstone acidizing: thermodynamic and kinetic aspects, *SPEJ* (Apr. 1975) 117
capillary pressure: effect in a multilayer model of porous media, *SPEJ* (Dec. 1975) 467
casing wear: prediction and control, *JPT* (Feb. 1975) 233; discussion, 243
convection-diffusion equation: high-accuracy finite-difference technique for treating, *SPEJ* (Dec. 1975) 517
determining optimum bid fraction, *JPT* (Mar. 1975) 349
deterministic fatigue analysis: offshore platforms, **259**, I-901; *JPT* (July 1975) 901
drilling fluids: design for carrying capacity, **259**, I-893; *JPT* (July 1975) 893
dynamic characteristics: offshore platforms; determination from random vibrations, **259**, II-502; *SPEJ* (Dec. 1975) 502
estimation of location of the boundary: petroleum reservoir, *SPEJ* (Feb. 1975) 19
fissured reservoirs: aquifer model for, **259**, II-385; *SPEJ* (Oct. 1975) 385
Forchheimer-type flow equation: method for determining the exponent value, *JPT* (July 1975) 883
fractured well behavior: applied pressure analysis, **259**, I-887; *JPT* (July 1975) 887
gas flow: non-Darcy transient radial; porous media, **259**, II-129; *SPEJ* (Apr. 1975) 129
history matching: oil displacement processes; sensitivity coefficients, *SPEJ* (Feb. 1975) 39
use of optimal control theory, **259**, II-74; *SPEJ* (Feb. 1975) 74
inertia effects: computing gearbox torque and motor loading for beam pumping units, **259**, I-1153; *JPT* (Sept. 1975) 1153
influence of fractures in confined aquifers: study by finite-element method, **259**, II-181; *SPEJ* (Apr. 1975) 181
internal steam drive: analysis in geotherimal reservoirs, **259**, I-1493; *JPT* (Dec. 1975) 1493
limited entry flow tests: determining vertical permeability in thick formations, **259**, II-65; *SPEJ* (Feb. 1975) 65
line-source well: partially penetrating; approximate infinite conductivity solution, **259**, II-140; *SPEJ* (Apr. 1975) 140
linear displacement: non-Newtonian fluids in parallel plate and narrow gap annular geometries, **259**, II-169; *SPEJ* (Apr. 1975) 169
liquid removal: from hydraulically fractured gas wells, *JPT* (Nov. 1975) 1309
low-frequency phenomena: associated with vessels moored at sea, **259**, II-487; *SPEJ* (Dec. 1975) 487
method of lines: reservoir simulation using an ordinary-differential-equations integrator, **259**, II-255; *SPEJ* (June 1975) 255
offshore gas pipelines accounting: design for two-phase flow, **259**, I-366; *JPT* (Mar. 1975) 366; discussion, **259**, I-648; *JPT* (May 1975) 648
optimal identification of parameters: inhomogeneous medium; quadratic programming, *SPEJ* (Oct. 1975) 371
permafrost: effects of variation on radius of thaw about hot-oil producing wells, **259**, I-357; *JPT* (Mar. 1975) 357
physical and chemical changes in sandstones: during acidizing; new model of, *SPEJ* (Oct. 1975) 361
predicting reserves and forecasting flow rates: relatively tight gas wells using limited performance data, *JPT* (May 1975) 585
pressure behavior: mechanical model for permafrost freeze-back, **259**, II-287; *SPEJ* (Aug. 1975) 287
pressure transient analysis: in presence of two intersecting boundaries, **259**, I-89; *JPT* (Jan. 1975) 89
productivity variation and transient behavior: well in a reservoir undergoing gas evolution, **259**, I-1401; *JPT* (Nov. 1975) 1401
pseudo functions: to control numerical dispersion, *SPEJ* (Aug. 1975) 269
pulse-testing response: effect of wellbore storage, *JPT* (June 1975) 707
for unequal pulse and shut-in periods, **259**, II-399; *SPEJ* (Oct. 1975) 399
simulation of oil production: with simultaneous ground subsidence, **259**, II-411; *SPEJ* (Oct. 1975) 411
stream method: underground coal gasification, **259**, II-425; *SPEJ* (Oct. 1975) 425
two-phase pressure-loss calculations: practical aspects of predicting errors, *JPT* (Apr. 1975) 515
unsteady-state pressure distribution: created by a directionally drilled well, **259**, I-1392; *JPT* (Nov. 1975) 1392
water coning: theoretical and experimental study, **259**, II-247; *SPEJ* (June 1975) 247
waterflooding model performance: comparison with Dykstra-Parsons, *JPT* (Jan. 1975) 113; discussion, *JPT* (June 1975) 709 and *JPT* (Dec. 1975) 1528
wet-combustion recovery process: size of steam zone, *SPEJ* (Feb. 1975) 13
well productivity: perforated completions in formations with or without damage, **259**, I-1027; *JPT* (Aug. 1975) 1027

O

OCEANOGRAPHY: studies: specifications for offshore operations, **259**, I-523; *JPT* (Apr. 1975) 523
OFFSHORE: bidding: determining optimum bid fraction, *JPT* (Mar. 1975) 349
floating breakwaters: wave tank study, *JPT* (Mar. 1975) 269
gas pipeline accounting: design for two-phase flow, **259**, I-366; *JPT* (Mar. 1975) 366; discussion, **259**, I-648; *JPT* (May 1975) 648
pipelines: repair and connection in water depths to 3,000 feet, *JPT* (Apr. 1975) 415
platforms: and pipelines; soil movements and forces developed by wave-induced slides; Mississippi delta, *JPT* (Apr. 1975) 500
determination of dynamic characteristics from random vibrations, **259**, II-502; *SPEJ* (Dec. 1975) 502
deterministic fatigue analysis, **259**, I-901; *JPT* (July 1975) 901
failure of South Pass 70 platform B in Hurricane Camille,

JPT (Mar. 1975) 263
structure: pressure grouting an improved method, *JPT* (Apr. 1975) 495
steel selection, *JPT* (Mar. 1975) 274
OFFSHORE DRILLING: arctic: icebreaking drillship for exploratory drilling, *JPT* (Apr. 1975) 433
coring: in deep water for scientific purposes, *JPT* (Aug. 1975) 925
OFFSHORE OPERATIONS: Gulf of Mexico: hurricane wave heights, **259**, I-1160; *JPT* (Sept. 1975) 1160
workover and recompletion of subsea completions, *JPT* (Apr. 1975) 445
Lockheed's subsea production system: safety characteristics, *JPT* (Apr. 1975) 427
specifications: for oceanographic/meteorological studies, **259**, I-523; *JPT* (Apr. 1975) 523
vessels moored at sea: low-frequency phenomena associated with, **259**, II-487; *SPEJ* (Dec. 1975) 487
OIL: coating: process to stabilize clays in fresh waterflooding operations, *JPT* (Sept. 1975) 1053; discussion, 1058
sour: treating and stabilization; Jay field, Florida, *JPT* (June 1975) 701
OIL-BASE MUDS: viscosity: effect of temperature and pressure, *JPT* (July 1975) 884
OIL FIELDS: *See also* names of specific fields
displacement efficiency: predicting from water-cut or gas-cut field data, *JPT* (Aug. 1975) 944
OIL PRODUCTION: numerical simulation: with simultaneous ground subsidence, **259**, II-411; *SPEJ* (Oct. 1975) 411
OIL RECOVERY: displacement efficiency: predicting from water-cut or gas-cut field data, *JPT* (Aug. 1975) 944
from naturally fractured reservoirs: with water influx, *JPT* (Dec. 1975) 1526
microemulsion flooding: laboratory study, **259**, II-87; *SPEJ* (Feb. 1975) 87; discussion, 100
optimum: development planning of the Brent field, North Sea, *JPT* (Oct. 1975) 1190
polymer flood: laboratory investigations of factors influencing performance, **259**, II-338; *SPEJ* (Aug. 1975) 338
steam displacement performance: Kern River field, California, **259**, I-997; *JPT* (Aug. 1975) 997
surfactant pilot test: Borregos field, Texas, *JPT* (June 1975) 695
Ten-pattern steamflood: Kern River field, California, **259**, I-1505; *JPT* (Dec. 1975) 1505
tests: some aspects of polymer retention in porous media using a C^{14}-tagged hydrolyzed polyacrylamide, **259**, II-323; *SPEJ* (Aug. 1975) 323
water coning: experimental and theoretical study, **259**, II-247; *SPEJ* (June 1975) 247
waterflooding: injection-well testing to optimize performance, *JPT* (Nov. 1975) 1337
performance; using Dykstra-Parsons as compared with numerical model performance, *JPT* (Jan. 1975) 113; discussion, *JPT* (June 1975) 709 and *JPT* (Dec. 1975) 1528
wet combustion: size of steam zone, *SPEJ* (Feb. 1975) 13
OIL RESERVOIR: with gas cap: down-dip waterflooding, **259**, I-1005; *JPT* (Aug. 1975) 1005
OIL SATURATION: low-salinity, shaly sand reservoir: utilization of Waxman-Smits equation for determining, *JPT* (Oct. 1975) 1204
residual: left by waterflood; influence of fluid viscosity, interfacial tension and flow velocity; *SPEJ* (Oct. 1975) 437
OIL SHALES: Green River: thermal conductivity and diffusivity, **259**, I-97; *JPT* (Jan. 1975) 97
OIL WELLS: insulated hot: producing in permafrost, **259**, I-357; *JPT* (Mar. 1975) 357
OKLAHOMA: sands: unconsolidated and friable; core analysis, *JPT* (Dec. 1975) 1423
OPTIMIZATION: bid fraction: determination of, *JPT* (Mar. 1975) 349
control theory: use in history matching, **259**, II-74; *SPEJ* (Feb. 1975) 74
protecting casing and drillpipe tool joints against wear, *JPT* (Feb. 1975) 246
steam injection rates: numerical simulation; Kern River field, California, *JPT* (June 1975) 765
OPTIMIZING TECHNIQUES: identification of parameters: inhomogeneous medium with quadratic programming, *SPEJ* (Oct. 1975) 371
ORIENTATION: compass: determination by pulse testing, *JPT* (Dec. 1975) 1433
OVERBURDEN: effect on: field test of underground combustion of coal, *JPT* (Jan. 1975) 35
heat lost to: wet combustion, *SPEJ* (Feb. 1975) 13

P

PEMBINA FIELD: *See* Canada
PENETRATION: acid: new method for predicting distance, *SPEJ* (Aug. 1975) 277
partial: line-source well; approximate infinite conductivity solution, **259**, II-140; *SPEJ* (Apr. 1975) 140
PENNSLYVANIA: Bradford field: directional acoustic-velocity distribution in a petroleum reservoir, *SPEJ* (June 1975) 234
pressure responses from induced hydraulic fractures in adjacent wells, *JPT* (Aug. 1975) 951
PERFORATING: productivity of completions in formations with or without damage, **259**, I-1027; *JPT* (Aug. 1975) 1027
PERFORMANCE PREDICTIONS: acid penetration: new method for predicting distance, *SPEJ* (Aug. 1975) 277
barium sulfate: interpretation of how formed, **259**, I-1515; *JPT* (Dec. 1975) 1515
displacement efficiency: from water-cut or gas-cut field data, *JPT* (Aug. 1975) 944
miscible flood: Bear Lake Cardium Unit, Pembina field, Alberta, Canada, *JPT* (June 1975) 672
waterflooding: Dykstra-Parsons compared with numerical model performance, *JPT* (Jan. 1975) 113; discussion, *JPT* (June 1975) 709 and *JPT* (Dec. 1975) 1528
well cementing: use of sea water, *JPT* (June 1975) 759
PERMAFROST: effect of insulated hot oil-producing wells, **259**, I-357; *JPT* (Mar. 1975) 357
freeze-back: mechanical model for pressure behavior, **259**, II-287; *SPEJ* (Aug. 1975) 287
pressure behavior, *JPT* (Aug. 1975) 949
PERMEABILITY: consolidation: electroless nickel sand; laboratory studies of cementation and calculated effect on well productivity, *SPEJ* (June 1975) 203
directional: interference analysis for anisotropic formations; a case history, **259**, I-1290; *JPT* (Oct. 1975) 1290; discussion, **259**, I-1525; *JPT* (Dec. 1975) 1525
distribution: history matching by use of optimal control theory, **259**, II-74; *SPEJ* (Feb. 1975) 74
petroleum reservoir; estimation of location of boundary, *SPEJ* (Feb. 1975) 19
explosively created: from single charge, **259**, II-495; *SPEJ* (Dec. 1975) 495
reduction: new chemical approach, *JPT* (May 1975) 592
relationship: to confining pressure: carbonate rocks, *JPT* (Jan. 1975) 21
to transmissibility, *JPT* (Mar. 1975) 294
relative: new pseudo functions to control numerical dispersion, *SPEJ* (Aug. 1975) 269
pseudo functions; effect of capillary pressure in a multilayer model of porous media, *SPEJ* (Dec. 1975) 467
relative and absolute: sandstones; effect of temperature, *SPEJ* (Oct. 1975) 376
studies: call for smaller gravels in gravel packing, *JPT* (Jan. 1975) 107
weighting material; new, nondamaging, acid-soluble, *JPT* (Jan. 1975) 15
vertical: from limited entry flow tests in thick formations, **259**, II-65; *SPEJ* (Feb. 1975) 65
PERMEAMETER: tests: reservoir properties affecting matrix acid stimulation of sandstones, **259**, I-633; *JPT* (May 1975) 633
PETROLEUM: *See* Oil
PETROLEUM ECONOMICS: *See* Economics
PHYSICAL PROPERTIES: permafrost: effects of variation on radius of thaw about hot oil-producing wells, **259**, I-357; *JPT* (Mar. 1975) 357
sandstones: changes during acidizing; new model of, *SPEJ* (Oct. 1975) 361
subsurface water: tool for petroleum exploration, *SPEJ* (Feb.

1975) 50
PILOT STUDIES: steam displacement: performance in Kern River field, California, **259**, I-997; *JPT* (Aug. 1975) 997
surfactant flooding: Borregos field, Texas, *JPT* (June 1975) 695
PIPELINES: construction materials: effect of supercritical carbon dioxide, *SPEJ* (June 1975) 227
Mississippi delta: soil movements and forces developed by wave-induced slides, *JPT* (Apr. 1975) 500
offshore: gas accounting; design for two-phase flow, **259**, I-366; *JPT* (Mar. 1975) 366; discussion, **259**, I-648, *JPT* (May 1975) 648
repair and connection in water depth to 3,000 feet, *JPT* (Apr. 1975) 415
PIPES: gas-liquid flow: comparison of liquid-holdup and friction-factor correlations, *JPT* (May 1975) 564
horizontal: gas-liquid flow; critical evaluation of holdup prediction methods, **259**, I-1017; *JPT* (Aug. 1975) 1017
PLATFORMS: Brent field, North Sea: development planning, *JPT* (Oct. 1975) 1190
fatigue: and dynamic response in fixed offshore structures, **259**, I-901; *JPT* (July 1975) 901
Mississippi delta: soil movements and forces developed by wave-induced slides, *JPT* (Apr. 1975) 500
offshore: determination of dynamic characteristics from random vibrations, **259**, II-502; *SPEJ* (Dec. 1975) 502
failure of South Pass 70 platform B in Hurricane Camille, *JPT* (Mar. 1975) 263
structure grouting: pressure grouting an improved method, *JPT* (Apr. 1975) 495
PLUGGING AGENTS: permeability reduction: new chemical approach, *JPT* (May 1975) 592
POLYACRYLAMIDE: hydrolyzed: C^{14}-tagged; some aspects of polymer retention in porous media, **259**, II-323; *SPEJ* (Aug. 1975) 323
laboratory investigations of factors influencing flood performance, **259**, II-338; *SPEJ* (Aug. 1975) 338
partially hydrolyzed solutions: shear degradation of, **259**, II-311; *SPEJ* (Aug. 1975) 311
POLYMERS: flood performance: laboratory investigations of factors influencing, **259**, II-338; *SPEJ* (Aug. 1975) 338
polyacrylamide: partially hydrolyzed solutions; shear degradation, **259**, II-311; *SPEJ* (Aug. 1975) 311
residue effects: on fracture conductivity, **259**, I-1273; *JPT* (Oct. 1975) 1273
retention: some aspects in porous media using a C^{14}-tagged hydrolyzed polyacrylamide, **259**, II-323; *SPEJ* (Aug. 1975) 323
solutions: filtration of, *JPT* (Oct. 1975) 1271
POLYSACCHARIDE: derivatives: provide high viscosity and low friction at low surface fluid temperatures, *JPT* (Sept. 1975) 1067
POROSITY: relationship to storage, *JPT* (Mar. 1975) 294
POROUS MEDIA: *See also* Reservoir Rocks
Forchheimer-type flow equation: method for determining the exponent value, *JPT* (July 1975) 883
gas flow: non-Darcy transient radial, **259**, II-129; *SPEJ* (Apr. 1975) 129
multilayer model: effect of capillary pressure, *SPEJ* (Dec. 1975) 467
polymer retention: some aspects using a C^{14}-tagged hydrolyzed polyacrylamide, **259**, II-323; *SPEJ* (Aug. 1975) 323
PRESENT VALUE: analysis: investment evaluation under conditions of inflation, *JPT* (Oct. 1975) 1183
PRESSURE BEHAVIOR: abnormal: regression approach to estimating gas in place for gas fields, **259**, I-1283; *JPT* (Oct. 1975) 1283
confining pressure: laboratory study of effects on fracture flow and storage capacity in carbonate rocks, *JPT* (Jan. 1975) 21
effect with temperature on viscosity of oil-base muds, *JPT* (July 1975) 884
fractured wells: applied pressure analysis, **259**, I-887: *JPT* (July 1975) 887
freeze-back: permafrost, *JPT* (Aug. 1975) 949
gas wells: methods for obtaining stabilized back-pressure curves, *JPT* (May 1975) 585
internal steam drive: analysis in geothermal reservoirs, **259**, I-1493; *JPT* (Dec. 1975) 1493
linear trends: effect on interference tests, *JPT* (Nov. 1975) 1383
multiphase pressure drops: determining in down-hole safety valves, *JPT* (Sept. 1975) 1145
partially penetrating line-source well: approximate infinite conductivity solution, **259**, II-140; *SPEJ* (Apr. 1975) 140
permafrost freeze-back: mechanical model, **259**, II-287; *SPEJ* (Aug. 1975) 287
petroleum reservoir: estimation of location of the boundary, *SPEJ* (Feb. 1975) 19
pulse-test response: effect of wellbore storage, *JPT* (June 1975) 707
responses: from induced hydraulic fractures; adjacent wells in petroleum reservoirs, *JPT* (Aug. 1975) 951
two-phase pressure loss: calculations; practical aspects of predicting errors, *JPT* (Apr. 1975) 515
comparison of liquid-holdup and friction-factor correlations for gas-liquid flow, *JPT* (May 1975) 564
PRESSURE BUILDUP: analysis: in presence of two intersecting boundaries, **259**, I-89; *JPT* (Jan. 1975) 89
gas well: characterization from one flow-test sequence, **259**, I-1500; *JPT* (Dec. 1975) 1500
limited entry flow tests: determining vertical permeability in thick formations, **259**, II-65; *SPEJ* (Feb. 1975) 65
productivity variation and transient behavior study: well in a reservoir undergoing gas evolution; reservoir simulator for, **259**, I-1401; *JPT* (Nov. 1975) 1401
temperature buildup correspondence: from well logs; an empirical method, *JPT* (Nov. 1975) 1326
tests: investigation in bounded reservoirs, **259**, I-991; *JPT* (Aug. 1975) 991
PRESSURE DISTRIBUTION: unsteady-state: created by a directionally drilled well, **259**, I-1392; *JPT* (Nov. 1975) 1392
PRESSURE DRAWDOWN: analysis: in presence of two intersecting boundaries, **259**, I-89; *JPT* (Jan. 1975) 89
data: analysis procedure for variable rate, *JPT* (Jan. 1975) 115
Forchheimer-type flow equation: method for determining the exponent value, *JPT* (July 1975) 883
PRESSURE MAINTENANCE: *See also* Gas Injection, Miscible Displacement, Slug Process, and Waterflooding
miscible flood: performance of Intisar "D" field, Libyan Arab Republic, *JPT* (Aug. 1975) 935
PRESSURE TRANSIENTS: analysis in presence of two intersecting boundaries, **259**, I-89; *JPT* (Jan. 1975) 89
anisotropic formations: interference analysis; a case history, **259**, I-1290; *JPT* (Oct. 1975) 1290; discussion, **259**, I-1525; *JPT* (Dec. 1975) 1525
PROCESS: metal-plating: for sand consolidation, *SPEJ* (June 1975) 209
PRODUCTION: arctic: mechanical model for permafrost freeze-back pressure behavior, **259**, II-287; *SPEJ* (Aug. 1975) 287
field data: method for determining reservoir fluid saturations, *SPEJ* (Dec. 1975) 477
rate: analysis procedure for variable-rate pressure drawdown data, *JPT* (Jan. 1975) 115
sour oil and gas: Jay field, Florida, *JPT* (June 1975) 701
PRODUCTION OPERATIONS: *See also* the specific operation
beam pumping units: computing gearbox torque and motor loading with consideration of inertia effects, **259**, I-1153; *JPT* (Sept. 1975) 1153
Lockheed's subsea system: safety characteristics, *JPT* (Apr. 1975) 427
scaling: interpretation of how barium sulfate is formed, **259**, I-1515; *JPT* (Dec. 1975) 1515
PROFITABILITY: analysis: using multiple cutoff rates for capital investment, *JPT* (July 1975) 822
PROGRAMMING: quadratic: optimal identification of parameters in an inhomogeneous medium, *SPEJ* (Oct. 1975) 371
PROPERTIES: reservoir: affecting matrix acid stimulation of sandstones, **259**, I-633; *JPT* (May 1975) 633
PROPPING AGENTS: increased fracture conductivity: new method of providing, *JPT* (Nov. 1975) 1319
PRUDHOE BAY: *See* Alaska
PULSE TESTING: determination of compass orientation and length of hydraulic fractures, *JPT* (Dec. 1975) 1433
pressure response: effect of wellbore storage, *JPT* (June 1975)

707
response: for unequal pulse and shut-in periods, **259**, II-399; *SPEJ* (Oct. 1975) 399
PUMPING WELLS: beam: computing gearbox torque and motor loading with consideration of inertia effects, **259**, I-1153; *JPT* (Sept. 1975) 1153

R

RAY FIELD: *See* Alaska
RECOVERY METHODS: *See also* Gas and Oil Recovery, Secondary Recovery, Tertiary Recovery, and Thermal Recovery of Oil
spent acid: guidelines regarding use of alcohols in acidic stimulation fluids, *JPT* (May 1975) 552
REGRESSION ANALYSIS: nonlinear: estimating gas in place for gas fields, **259**, I-1283; *JPT* (Oct. 1975) 1283
RELATIVE PERMEABILITY: *See* Permeability: relative
RELATIVE PERMEABILITY RATIO: sandstones: effect of temperature, *SPEJ* (Oct. 1975) 376
RESERVES: prediction: relatively tight gas wells using limited performance data, *JPT* (May 1975) 585
RESERVOIR ANALYSIS: *See also* Performance Predictions
inhomogeneous medium: optimal identification of parameters with quadratic programming, *SPEJ* (Oct. 1975) 371
interference tests: effect of linear pressure trends, *JPT* (Nov. 1975) 1383
internal steam drive: geothermal reservoirs, **259**, I-1493; *JPT* (Dec. 1975) 1493
procedure for variable-rate pressure drawdown data, *JPT* (Jan. 1975) 115
pulsed-neutron decay-time logs: acidized carbonate formations, *SPEJ* (Dec. 1975) 453
Ten-pattern steamflood: Kern River field, California, **259**, I-1505; *JPT* (Dec. 1975) 1505
RESERVOIR FLUIDS: saturation: method for determining using field production data, *SPEJ* (Dec. 1975) 477
RESERVOIR PRESSURE: *See* Pressure Behavior
RESERVOIR ROCKS: *See also* Cores and Porous Media
carbonate formations: trapped-gas saturations, **259**, II-149; *SPEJ* (Apr. 1975) 149
RESERVOIR SIMULATION: *See also* Models
Brent field, North Sea: development planning, *JPT* (Oct. 1975) 1190
history-matching: multiphase models; practical applications of optimal control theory, **259**, II-347; *SPEJ* (Aug. 1975) 347
oil displacement processes: sensitivity coefficients, *SPEJ* (Feb. 1975) 39
liquid removal: from hydraulically fractured gas wells, *JPT* (Nov. 1975) 1309
numerical: using an ordinary-differential-equations integrator, **259**, II-255; *SPEJ* (June 1975) 255
productivity variation and transient behavior of a well: reservoir undergoing gas evolution, **259**, I-1401; *JPT* (Nov. 1975) 1401
role of geology, *JPT* (May 1975) 625
RESERVOIR STIMULATION: sandstones: reservoir properties affecting matrix acid stimulation, **259**, I-633; *JPT* (May 1975) 633
RESERVOIRS: *See also* type, such as Bottom-Water Drive, Gas-Cap Drive and Water Drive, and also specific names
fissured: aquifer model for, **259**, II-385; *SPEJ* (Oct. 1975) 385
Gray sand, Cotton Valley field, Louisiana: recovery improvement study, *JPT* (Jan. 1975) 28
naturally fractured: oil recovery with water influx, *JPT* (Dec. 1975) 1526
$P_{2\text{-}3}$ sand: fireflood in Miga field, Eastern Venezuela, *JPT* (Jan. 1975) 9
petroleum: directional acoustic-velocity distribution, *SPEJ* (June 1975) 234
estimation of location of boundary, *SPEJ* (Feb. 1975) 19
ROCK MECHANICS: mechanical model: for permafrost freeze-back pressure behavior, **259**, II-287; *SPEJ* (Aug. 1975) 287
shaly sand: low-salinity; utilization of Waxman-Smits equations for determining oil saturation, *JPT* (Oct. 1975) 1204
RESIDUES: fluid: effect on fracture conductivity, **259**, I-1273; *JPT* (Oct. 1975) 1273
RETORTING: coal: field test of underground combustion, *JPT* (Jan. 1975) 35
RIO BRAVO FIELD: *See* California
RISK ANALYSIS: capital investment: using multiple cutoff rates, *JPT* (July 1975) 822
offshore bidding: determining optimum bid fraction, *JPT* (Mar. 1975) 349
ROCKS: *See* Reservoir Rocks
ROCK PROPERTIES: effect on non-Darcy transient radial gas flow: porous media, **259**, II-129; *SPEJ* (Apr. 1975) 129
reservoir simulation studies: role of geology, *JPT* (May 1975) 625
sands: unconsolidated and friable; core analysis, *JPT* (Dec. 1975) 1423
RUSSIA: casing wear literature, *JPT* (Feb. 1975) 233; discussion, 243

S

SACROC: Kelley-Snyder field, Texas: effect of supercritical carbon dioxide on construction materials, *SPEJ* (June 1975) 227
SAFETY: characteristics: Lockheed's subsea production system, *JPT* (Apr. 1975) 427
down-hole: determining multiphase pressure drops and flow capacities in valves, *JPT* (Sept. 1975) 1145
features: icebreaking drillship for offshore exploratory drilling in the arctic, *JPT* (Apr. 1975) 433
SALINITY: solvent: effects on mechanical degradation of partially hydrolyzed polyacrylamides, **259**, II-311; *SPEJ* (Aug. 1975) 311
SAN ARDO FIELD: *See* California
SAN MIGUELITO FIELD: *See* California
SAND: D and E zone, Tulare formation: steam injection; South Belridge field, California, *JPT* (Mar. 1975) 343
Gray reservoir, Cotton Valley field, Louisiana: recovery improvement study, *JPT* (Jan. 1975) 28
reservoir: fireflood in Miga field, Eastern Venezuela, *JPT* (Jan. 1975) 9
unconsolidated: and friable; core analysis, *JPT* (Dec. 1975) 1423
SAND CONTROL: consolidation: a metal-plating process, *SPEJ* (June 1975) 209
with electroless nickel; laboratory studies of cementation and calculated effect on well productivity, *SPEJ* (June 1975) 203
gravel packing: thin-section and permeability studies call for smaller gravels, *JPT* (Jan. 1975) 107
mechanical-properties log: for estimation of formation strength, *JPT* (Mar. 1975) 283
SANDSTONES: acidizing: effect of mutual solvents on adsorption, *JPT* (Dec. 1975) 1439
argillaceous: thermodynamic and kinetic aspects of acidizing, *SPEJ* (Arp. 1975) 117
in-situ: self-generating mud acid process, *JPT* (Oct. 1975) 1199
matrix acid stimulation: reservoir properties affecting, **259**, I-633; *JPT* (May 1975) 633
model of physical and chemical changes during acidizing, *SPEJ* (Oct. 1975) 361
relative and absolute permeability: effect of temperature, *SPEJ* (Oct. 1975) 376
SAUDI ARABIA: Ghawar field: analysis of pulsed-neutron decay-time logs in acidized carbonate formations, *SPEJ* (Dec. 1975) 453
practical applications of optimal control theory to history-matching multiphase simulator models, **259**, II-347; *SPEJ* (Aug. 1975) 347
SATURATION: water: effect on miscible flooding; methods using hydrocarbons and carbon dioxide, *SPEJ* (June 1975) 217
microwave attenuation; new tool for monitoring in laboratory flooding experiments, **259**, II-303; *SPEJ* (Aug. 1975) 303; discussion, 309
SCALE: barium sulfate: an interpretation of how formed, **259**, I-1515; *JPT* (Dec. 1975) 1515

heater: steamflood, *JPT* (Feb. 1975) 171
inhibition: barium sulfate; crystallization and dissolution, **259**, II-509; *SPEJ* (Dec. 1975) 509
inhibitor effectiveness: conductometric measurement of carbonate scale deposition, *JPT* (July 1975) 827
SCRUBBING: with oilfield-produced water: removal of sulfur dioxide emissions, *JPT* (Feb. 1975) 227
SECONDARY RECOVERY: *See also* Gas Injection, Miscible Displacement, Thermal Recovery of Oil, and Waterflooding
waterflooding: injection-well testing to optimize performance, *JPT* (Nov. 1975) 1337
SEDIMENTS: deep-water coring: for scientific purposes, *JPT* (Aug. 1975) 925
SEMISUBMERSIBLES: drilling vessels: evaluation, *JPT* (Apr. 1975) 422
SHALE OILS: *See* Oil Shales
SHALES: chlorine log: response by shale-compensated log, *JPT* (Feb. 1975) 164
SHEAR FAILURE: polyacrylamide solutions: partially hydrolyzed, **259**, II-311; *SPEJ* (Aug. 1975) 311
SIMULATION: argillaceous sandstone acidizing: thermodynamic and kinetic aspects, *SPEJ* (Apr. 1975) 117
economic restraints: U.S. energy supply and demand, *JPT* (July 1975) 803
inverse: regression approach to estimating gas in place for gas fields, **259**, I-1283; *JPT* (Oct. 1975) 1283
Monte Carlo: two-phase pressure-loss calculations; practical aspects of predicting errors, *JPT* (Apr. 1975) 515
numerical: of oil production with simultaneous ground subsidence, **259**, II-411; *SPEJ* (Oct. 1975) 411
steam displacement; Kern River field, California, *JPT* (June 1975) 765
reservoir: new pseudo functions to control numerical dispersion, *SPEJ* (Aug. 1975) 269
studies: performance of miscible flood; Bear Lake Cardium Unit, Pembina field, Alberta, Canada, *JPT* (June 1975) 672
SKIN EFFECT: created by a directionally drilled well, **259**, I-1392; *JPT* (Nov. 1975) 1392
partially penetrating line-source well: approximate infinite conductivity solution, **259**; II-140; *SPEJ* (Apr. 1975) 140
well productivity: perforated completions in formations with or without damage, **259**, I-1027; *JPT* (Aug. 1975) 1027
SLUG PROCESS: *See also* Miscible Displacement
microemulsion flooding: laboratory study, **259**, II-87; *SPEJ* (Feb. 1975) 87; discussion, 100
SLURRIES: cement: effect of use of sea water, *JPT* (June 1975) 759
SOILS: movements: developed by wave-induced slides in the Mississippi delta, *JPT* (Apr. 1975) 500
failure of South Pass 70 platform B in Hurricane Camille, *JPT* (Mar. 1975) 263
SOLIDS: control: weighted drilling fluids, *JPT* (Sept. 1975) 1141
SOLUBILITY: barium sulfate: interpretation in scale formation, **259**, I-1515; *JPT* (Dec. 1975) 1515
SOLUBLE OIL FLOODING: effect of clays, limestone and gypsum, *JPT* (Feb. 1975) 179
SOLUBLE OILS: flooding: effect of clays, limestone and gypsum, *JPT* (Feb. 1975) 179
SOLVENTS: mutual: effect on adsorption in sandstone acidizing, *JPT* (Dec. 1975) 1439
SONIC LOGGING: *See* Acoustic Velocity Logging
SOUR GAS: treating and stabilization: Jay field, Florida, *JPT* (June 1975) 701
SOUTH BELRIDGE FIELD: *See* California
SOUTH PASS BLOCK 24 and 27 FIELDS: *See* Louisiana
SOUTH PASS BLOCK 70: *See* Louisiana
SPECIFICATIONS: oceanographic/meteorological studies: offshore operations, **259**, I-523; *JPT* (Apr. 1975) 523
STABILITY: evaluation: semisubmersible drilling vessels, *JPT* (Apr. 1975) 422
STANDARDIZATION: safety characteristics: Lockheed's subsea production system, *JPT* (Apr. 1975) 427
STEAM INJECTION: *See* Thermal Recovery of Oil and Injection: steam
STEEL: selection: offshore structures, *JPT* (Mar. 1975) 274
STIMULATION: *See* Reservoir and Well Stimulation or the specific process
steam soak: resteaming time determination in Midway Sunset, *JPT* (June 1975) 665
STORAGE: capacity: laboratory study of effects of confining pressure in carbonate rocks, *JPT* (Jan. 1975) 21
commentary on the term, *JPT* (Mar. 1975) 294
wellbore: effect on pulse-test pressure response, *JPT* (June 1975) 707
STORAGE FACILITIES: *See* Underground Storage
STRESSES: offshore platforms: deterministic fatigue analysis, **259**, I-901; *JPT* (July 1975) 901
SUBMERSIBLE SYSTEM: for repair and connection of offshore pipelines: water depths to 3,000 feet, *JPT* (Apr. 1975) 415
SUBSURFACE: water: tool for petroleum exploration, *SPEJ* (Feb. 1975) 50
SULFUR DIOXIDE: emissions: removal by scrubbing with oilfield-produced water, *JPT* (Feb. 1975) 227
SUPPLY: *See* Reserves
SUPPLY AND DEMAND: U.S. energy: economic restraints, *JPT* (July 1975) 803
SURFACE: area measurement: geologic materials, *SPEJ* (Apr. 1975) 111
facilities: factors causing emulsion upsets following acid stimulation, *JPT* (Sept. 1975) 1060
fluid temperatures: low values; polysaccharide derivatives provide high viscosity and low friction, *JPT* (Sept. 1975) 1067
SURFACTANTS: adsorption: effect of mutual solvents in sandstone acidizing, *JPT* (Dec. 1975) 1439
flooding: pilot test, Borregos field, Texas, *JPT* (June 1975) 695
oil soluble: coating process to stabilize clays in fresh waterflooding operations, *JPT* (Sept. 1975) 1053; discussion, 1058
SWEEP EFFICIENCY: polymer flood: laboratory investigations of factors influencing performance, **259**, II-338; *SPEJ* (Aug. 1975) 338
SYMBOLS: computer: for economics, **259**, II-517; *JPT* (Oct. 1975) 1262
for well logging and formation evaluation, **259**, II-517; *JPT* (Oct. 1975) 1247
transmissibility and storage: commentary on the terms, *JPT* (Mar. 1975) 294

T

TANKS: wave study: floating breakwaters, *JPT* (Mar. 1975) 269
TEMPERATURE: effect on relative and absolute permeability of sandstones, *SPEJ* (Oct. 1975) 376
effect with pressure on viscosity of oil-base muds, *JPT* (July 1975) 884
estimating viscosity: crude-oil systems, *JPT* (Sept. 1975) 1140
geothermal: analysis of internal steam drive, **259**, I-1493; *JPT* (Dec. 1975) 1493
low surface fluid: polysaccharide derivatives provide high viscosity and low friction, *JPT* (Sept. 1975) 1067
profiles: interpretation in water-injection wells, **259**, I-777; *JPT* (June 1975) 777
reservoir: correlation of electric-log-indicated with actual; southwest Louisiana, *JPT* (Feb. 1975) 181
static formation: from well logs; an empirical method, *JPT* (Nov. 1975) 1326
TEN SECTION FIELD: *See* California
TERTIARY RECOVERY: micellar polymer process: proposed for Bell Creek field, Montana, *JPT* (Dec. 1975) 1443
residual oil saturation left by waterflood: influence of fluid viscosity, interfacial tension, and flow velocity, *SPEJ* (Oct. 1975) 437
surfactant pilot test: Borregos field, Texas, *JPT* (June 1975) 695
TESTING: *See also* Field Tests
analysis procedure: variable-rate pressure drawdown data, *JPT* (Jan. 1975) 115
bounded reservoirs: an investigation of pressure-buildup tests, **259**, I-991; *JPT* (Aug. 1975) 991
field model: history matching by use of optimal control theory, **259**, II-74; *SPEJ* (Feb. 1975) 74
gas well: characterization from one flow-test sequence, **259**, I-1500; *JPT* (Dec. 1975) 1500

injection-well: to optimize waterflood performance, *JPT* (Nov. 1975) 1337
interference: effect of linear pressure trends, *JPT* (Nov. 1975) 1383
procedure for field analysis: determining average reservoir properties from gathering-line transient analysis; multiwell reservoir, *JPT* (July 1975) 835
pulse: response for unequal pulse and shut-in periods, **259**, II-399; *SPEJ* (Oct. 1975) 399
sandstones: reservoir properties affecting matrix acid stimulation, **259**, I-633; *JPT* (May 1975) 633
thief zones: case study in a California waterflood, **259**, I-1385; *JPT* (Nov. 1975) 1385
wireline formation tester: advancements in uncased-hole techniques, *JPT* (Nov. 1975) 1331
TEXAS: Borregos field: surfactant pilot test, *JPT* (June 1975) 695
Conroe field: fluid movement study, *JPT* (July 1975) 813
field test: manufactured diamond cutters used in drilling bits, *JPT* (May 1975) 543
Gulf of Mexico: hurricane wave heights, **259**, I-1160; *JPT* (Sept. 1975) 1160
Kelly-Snyder field: effect of supercritical carbon dioxide on construction materials, *SPEJ* (June 1975) 227
solids control: weighted drilling fluids, *JPT* (Sept. 1975) 1141
THERMAL PROPERTIES: Green River oil shales: Colorado and Utah, **259**, I-97; *JPT* (Jan. 1975) 97
THERMAL RECOVERY OF OIL: Miga field, Eastern Venezuela: fireflood of P_{2-3} sand reservoir, *JPT* (Jan. 1975) 9
sandstones: effect of temperature on relative and absolute permeability, *SPEJ* (Oct. 1975) 376
steam displacement: numerical simulation; Kern River field, California, *JPT* (June 1975) 765
performance in Kern River field, **259**, I-997; *JPT* (Aug. 1975) 997
steam drive: internal; analysis in geothermal reservoirs, **259**, I-1493; *JPT* (Dec. 1975) 1493
steam injection: into D and E zone, Tulare formation, South Belridge field, Kern County, California, *JPT* (Mar. 1975) 343
steam soak: case history of well in Midway Sunset; resteaming time determination, *JPT* (June 1975) 665
steamflooding: heater scale and corrosion, *JPT* (Feb. 1975) 171
Ten-pattern steamflood: Kern River field, California, **259**, I-1505; *JPT* (Dec. 1975) 1505
wet combustion: size of steam zone, *SPEJ* (Feb. 1975) 13
THERMODYNAMICS: aspects: argillaceous sandstone acidizing, *SPEJ* (Apr. 1975) 117
THIEF ZONES: California waterflood: case study, **259**, I-1385; *JPT* (Nov. 1975) 1385
THIN SECTIONS: studies: call for smaller gravels in gravel packing, *JPT* (Jan. 1975) 107
TOOL JOINTS: drillpipe: optimum means of protecting against wear, *JPT* (Feb. 1975) 246
TORQUE: gearbox: computing for beam pumping units with consideration of inertia effect, **259**, I-1153; *JPT* (Sept. 1975) 1153
TRANSIENT FLOW: gas: non-Darcy, radial through porous media, **259**, II-129; *SPEJ* (Apr. 1975) 129
heat: insulated hot oil-producing wells in permafrost, **259**, I-357; *JPT* (Mar. 1975) 357
information: vertical permeability from limited entry flow tests; thick formations, **259**, II-65; *SPEJ* (Feb. 1975) 65
partially penetrating line-source well: approximate infinite conductivity solution, **259**, II-140; *SPEJ* (Apr. 1975) 140
TRANSIENTS: behavior of a well: reservoir simulator for studying; reservoir undergoing gas evolution, **259**, I-1401; *JPT* (Nov. 1975) 1401
gathering-line: analysis for multiwell reservoir; determining average reservoir properties, *JPT* (July 1975) 835
TRANSMISSIBILITY: commentary on the term, *JPT* (Mar. 1975) 294
TRUNCATION CANCELLATION METHOD: for treating convection-diffusion equation: high accuracy, *SPEJ* (Dec. 1975) 517
TUBING: heater: scale and corrosion in steamfloods, *JPT* (Feb. 1975) 171

U

UNDERGROUND COMBUSTION: *See also* Thermal Recovery of Oil
coal: field test, *JPT* (Jan. 1975) 35
UNDERGROUND FLUIDS: coal gasification: mathematical modeling of stream method, **259**, II-425; *SPEJ* (Oct. 1975) 425
UNDERGROUND STORAGE: gas: determining average reservoir properties from gathering-line transient analysis, *JPT* (July 1975) 835
UNITED STATES: energy supply and demand: economic restraints, *JPT* (July 1975) 803
UTAH: Altamont field: diamond drilling, *JPT* (June 1975) 785
field test: manufactured diamond cutter used in drilling bits, *JPT* (May 1975) 543
Green River oil shales: thermal conductivity and diffusivity, **259**, I-97; *JPT* (Jan. 1975) 97

V

VALUATIONS: *See* Evaluations
VELOCITY: bubble-rise: factors affecting in gas kicks, *JPT* (May 1975) 571
flow: influence on residual oil saturation left by waterflood, *SPEJ* (Oct. 1975) 437
settling: design of muds for carrying capacity, **259**, I-893; *JPT* (July 1975) 893
VELOCITY LOGGING: *See* Acoustic Velocity Logging
VENEZUELA: Bolivar Coast fields: numerical simulation of oil production with simultaneous ground subsidence, **259**, II-411; *SPEJ* (Oct. 1975) 411
Miga field: fireflood of the P_{2-3} sand reservoir, *JPT* (Jan. 1975) 9
VENTURA FIELD: *See* California
VESSELS: drilling: semisubmersible type; evaluation of motion and stability, *JPT* (Apr. 1975) 422
moored at sea: low-frequency phenomena associated with, **259**, II-487; *SPEJ* (Dec. 1975) 487
VIBRATIONS: random: offshore platforms; determination of dynamic characteristics, **259**, II-502; *SPEJ* (Dec. 1975) 502
VISCOSITY: crude oil systems: estimating, *JPT* (Sept. 1975) 1140
fluid: influence on residual oil saturation left by waterflood, *SPEJ* (Oct. 1975) 437
high: provided by polysaccharide derivatives at low surface fluid temperatures, *JPT* (Sept. 1975) 1067
oil-base muds: effect of temperature and pressure, *JPT* (July 1975) 884

W

WASTE DISPOSAL: oily waters: mixed-media filtration, *JPT* (Feb. 1975) 157
WATER: cut: field data; predicting displacement efficiency, *JPT* (Aug. 1975) 944
deep: coring for scientific purposes, *JPT* (Aug. 1975) 925
depths to 3,000 feet: repair and connection of offshore pipelines, *JPT* (Apr. 1975) 415
oilfield-produced: removal of sulfur dioxide emissions by scrubbing with, *JPT* (Feb. 1975) 227
oily waste: mixed-media filtration, *JPT* (Feb. 1975) 157
sea: use in well cementing, *JPT* (June 1975) 759
subsurface: tool for petroleum exploration, *SPEJ* (Feb. 1975) 50
WATER CONING: theoretical and experimental study, **259**, II-247; *SPEJ* (June 1975) 247
WATER DRIVE: porous media: effect of capillary pressure in a multilayer model, *SPEJ* (Dec. 1975) 467
WATER INFLUX: fissured reservoir: aquifer model for, **259**, II-385; *SPEJ* (Oct. 1975) 385
oil recovery: from naturally fractured reservoirs, *JPT* (Dec. 1975) 1526
Rio Bravo field, California: history, *JPT* (Feb. 1975) 145
WATER INJECTION: *See* Waterflooding
WATER SATURATION: chlorine log: results of shale-compensated type, *JPT* (Feb. 1975) 164
effects on miscible flooding: methods using hydrocarbons and carbon dioxide, *SPEJ* (June 1975) 217

laboratory flooding experiments: microwave attenuation; new tool for monitoring, **259**, II-302; *SPEJ* (Aug. 1975) 302; discussion, 309
WATER SHUT-OFF: *See* Plugging Agents
WATER WELLS: injection: interpretation of temperature profiles, **259**, I-777; *JPT* (June 1975) 777
WATERFLOODING: Bell Creek field, Montana: review of performance, *JPT* (Dec. 1975) 1443
California: case study of thief zones, **259**, I-1385; *JPT* (Nov. 1975) 1385
down-dip: oil reservoir having a gas cap, **259**, I-1005; *JPT* (Aug. 1975) 1005
history-matching oil displacement processes: sensitivity coefficients, *SPEJ* (Feb. 1975) 39
operations: oil-coating process to stabilize clays in fresh water, *JPT* (Sept. 1975) 1053; discussion, 1058
performance: optimization; injection-well testing, *JPT* (Nov. 1975) 1337
using Dykstra-Parsons as compared with numerical model performance, *JPT* (Jan. 1975) 113; discussion, *JPT* (June 1975) 709 and *JPT* (Dec. 1975) 1528
residual oil saturation left: influence of fluid viscosity, interfacial tension and flow velocity, *SPEJ* (Oct. 1975) 437
surfactant pilot test: Borregos field, Texas, *JPT* (June 1975) 695
WAVE ACTION: induced slides: soil movements and forces developed in Mississippi delta, *JPT* (Apr. 1975) 500
tank study: floating breakwaters, *JPT* (Mar. 1975) 269
WAVE HEIGHTS: hurricane: Gulf of Mexico, **259**, I-1160; *JPT* (Sept. 1975) 1160
WELDING: offshore structures: steel selection, *JPT* (Mar. 1975) 274
WELL COMPLETION: *See also* specific types
cementing: use of sea water, *JPT* (June 1975) 759
gravel packing: thin-section and permeability studies call for smaller gravels, *JPT* (Jan. 1975) 107
mechanical-properties log: for estimation of formation strength, *JPT* (Mar. 1975) 283
perforated: productivity in formations with or without damage, **259**, I-1027; *JPT* (Aug. 1975) 1027
subsea wells, Gulf of Mexico, *JPT* (Apr. 1975) 445
WELL CONTROL: gas kicks: factors affecting bubble-rise velocity through drilling fluids in annulus, *JPT* (May 1975) 571
WELL INTERFERENCE: tests: effect of linear pressure trends, *JPT* (Nov. 1975) 1383
WELL LOGGING: acoustic velocity: directional distribution in a petroleum reservoir, *SPEJ* (June 1975) 234
chlorine log: shale-compensated, *JPT* (Feb. 1975) 164
correlation: electric-log-indicated reservoir temperature with actual reservoir temperature; southwest Louisiana, *JPT* (Feb. 1975) 181
mechanical-properties log: for estimation of formation strength, *JPT* (Mar. 1975) 283
neutron lifetime log: influence of instrument design on measurements, **259**, II-161; *SPEJ* (Apr. 1975) 161
oil saturation: low-salinity shaly sand reservoir, *JPT* (Oct. 1975) 1204
pulsed-neutron decay-time logs: analysis in acidized carbonate formations, *SPEJ* (Dec. 1975) 453
symbols: letter and computer, **259**, II-517; *JPT* (Oct. 1975) 1247
temperature profiles: interpretation in water-injection wells, **259**, I-777; *JPT* (June 1975) 777
WELL LOGS: static formation temperature from: an empirical method, *JPT* (Nov. 1975) 1326
WELL PATTERN: five-spot: field tests of determination of compass orientation and length of hydraulic fractures by pulse testing, *JPT* (Dec. 1975) 1433
WELL PERFORMANCE: *See also* Wellbore Mechanics
pressure responses: from induced hydraulic fractures in adjacent wells, *JPT* (Aug. 1975) 951
steam soak: resteaming time determination in Midway Sunset, *JPT* (June 1975) 665
WELL PRODUCTIVITY: calculated effect: electroless nickel sand consolidation; laboratory studies, **259**, II-203; *SPEJ* (June 1975) 203
perforated completions in formations with or without damage, **259**, I-1027; *JPT* (Aug. 1975) 1027
variation: reservoir simulator; reservoir undergoing gas evolution, **259**, I-1401; *JPT* (Nov. 1975) 1401
WELL STIMULATION: *See also* Acidizing, Formation Fracturing, and Perforating
acidic fluids: guidelines regarding the use of alcohols, *JPT* (May 1975) 552
acidizing: new, nondamaging, acid-soluble weighting material, *JPT* (Jan. 1975) 15
fractures: multiple, vertical from an inclined wellbore; a field experiment, **259**, I-641; *JPT* (May 1975) 641
improving results: new method for providing increased fracture conductivity, *JPT* (Nov. 1975) 1319
permeability: explosively created from single charge, **259**, II-495; *SPEJ* (Dec. 1975) 495
WELL WORKOVERS: *See* Workovers
WELLBORE MECHANICS: inclined wellbore: multiple, vertical fracture from; a field experiment, **259**, I-641; *JPT* (May 1975) 641
partially penetrating line-source well: approximate infinite conductivity solution, **259**, II-140; *SPEJ* (Apr. 1975) 140
storage: effect on pulse-test pressure response, *JPT* (June 1975) 707
unsteady-state pressure distribution: created by a directionally drilled well, **259**, I-1392; *JPT* (Nov. 1975) 1392
WIRE LINE: formation-tester: advancements in uncased-hole techniques, *JPT* (Nov. 1975) 1331
wear on casing: prediction and control, *JPT* (Feb. 1975) 233; discussion, 243
WORKOVERS: subsea wells: Gulf of Mexico, *JPT* (Apr. 1975) 445

Y

YORBA LINDA FIELD: *See* California